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Autumn Catalog

FALL 1919
SPRING 1920

BERRY
PLANTS
AND
BUSH
FRUIT

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U.S. Department of Agriculture.

FRUIT

SHADE AND
ORNAMENTAL
TREES
AND
SHRUBS

BULBS
ROSES
AND
FLOWERING
PLANTS

Darwin Tulip-
KING HAROLD
- See page 7



Number of Bulbs Required for Planting Different Sized Beds of Tulips or Hyacinths

In ordering bulbs for the mixed beds and for the number contained in the two outer rows of different sized beds, refer to table below.

| Diameter of Bed | Total Number of Bulbs Required | | Number of Bulbs Required for Two Outer Circles Only | |
|-----------------|--------------------------------|-----------|---|-----------|
| | Tulips | Hyacinths | Tulips | Hyacinths |
| 3 feet..... | 64..... | 36..... | 50..... | 31..... |
| 4 feet..... | 113..... | 50..... | 68..... | 45..... |
| 5 feet..... | 177..... | 80..... | 87..... | 57..... |
| 6 feet..... | 254..... | 120..... | 104..... | 69..... |
| 7 feet..... | 346..... | 160..... | 122..... | 82..... |
| 8 feet..... | 452..... | 210..... | 140..... | 95..... |
| 9 feet..... | 573..... | 270..... | 160..... | 110..... |
| 10 feet..... | 707..... | 330..... | 180..... | 120..... |


NOTE—Plant the Tulips four inches apart in the rows and the rows four inches apart. Hyacinths six inches apart and the rows six inches apart. Narcissi same as Hyacinths. For Crocus, Snowdrops, etc., double the number of Tulips. See chart below.

| Flower | Spacing (inches) |
|---------------------------|------------------|
| 4 to 6 in. apart Anemone | 1 in. |
| 2 in. Crocus | 2 in. |
| 2 in. apart Snowdrops | 3 in. |
| 2 in. apart Crocuses | 4 in. |
| 6 in. apart Tulips | 5 in. |
| 9 in. apart Hyacinths | |
| 6 in. apart Narcissus | |
| 12 in. or more apart Lily | |

GROWING tests have proved our "Diamond Quality" Lawn Grass to give satisfactory and permanent results, being specially prepared for our Western soils and climate, and will produce an evergreen velvety turf.

Price, per lb., postpaid, 45c; freight or express, not prepaid, per lb., 35c.

Sow one pound to 400 square feet, 10 to 15 pounds to a 50-foot lot.

 The sooner Hyacinths and Daffodils are planted the better they will grow and force.

Suggestions for Tulip Beds

No. 1—Circular Bed of Vermilion Brilliant with edging of two rows of **Chrysolora**, yellow.

No. 2—**Round Bed** in four sections, first quarter **Cottage Maid**, pink; second, **Chrysolara**, yellow; third, **Artus**, scarlet; fourth **La Reine**, white. This arrangement is effective with two colors, red and white being best.

No. 3—A Circular Bed of pleasing variety is made with **Kaiserskroon** scarlet edged gold, in center, **Belle Alliance** scarlet, next, then **La Reine** white, and on the outside rows **Chrysolora** yellow.

Solid Beds of Murillo, early double light pink, **Rose Grisdelin**, early single, delicate pink, **Couleur Cardinal**, bronze scarlet and **Pink Beauty**, a lovely flower, the finest pink, are very attractive and give a display that cannot be excelled by any combination of colors.

No. 4—Bed in Two Sections or Rows; Van der Neer, violet lilac; **Primrose Queen**, rich sulphur yellow. A charming unusual effect in blue and yellow.


No. 5 — Double Tulips — Rubra Maxima, scarlet, and **White Murilla**, give a fine showing, holding their form and lasting well.

No. 6 — Single May Flowering — White
Swan, Gesneriana Spathulata, rich crimson,
 and **Bouton d'Or**, pure deep yellow, can be
 used in pleasing combination. They are tall
 growers (18 inches) and the best of their colors.

☞ Plant a shallow rooting annual in your Tulip bed, and you will not have a bare spot when the bulbs are gone. It also keeps the weeds down. Forget-me-nots, Petunias, Pinks, Poppies, Verbenas, Candytuft, are a few of the best. Low growing perennials are also good, as they need not be disturbed. It is best not to lift Tulips each year. Leave them in the ground. They bloom better.

FLORISTS, GARDENERS AND LARGE BUYERS OF BULBS, should submit their lists for special prices on the number of bulbs they use. We can save you money and our "Diamond Quality" Bulbs will give you satisfaction.

AUTUMN CATALOG



TREES, ROSES BULBS, PLANTS

FALL 1919 - SPRING 1920

RECONSTRUCTION—Now that we can all turn our attention to the pleasant duty of beautifying our home grounds and gardens, we have enlarged our catalog listings and offer for your selection a splendid assortment of the most desirable and profitable varieties for home or commercial plantings.

HOLLAND BULBS—Hyacinths, Tulips, Narcissi, are offered in the most popular varieties and of the finest quality, but foreign importations have been so restricted that there will be a shortage and higher prices on some classes of Bulbs and Ornamental Shrubs and Plants.

OUR OREGON GROWN Tree Roses, Shrubs and Plants are unexcelled, growing to their greatest perfection in our favorable climate—and always pass careful inspection before delivery.

BERRY PLANTS AND BUSH FRUITS of all kinds and Asparagus and Rhubarb roots—once planted—thrive and produce abundantly year after year with very little attention and should be in every home garden.

HARDY PERENNIAL PLANTS. We can supply fine plants and clumps that will bloom freely the first season and can furnish suitable varieties for groupings and color effects that are pleasing and permanent, making a splendid garden display and giving lovely cut flowers throughout the year.

FALL PLANTING gives splendid results west of the Cascades and Bulbs, Evergreens, Paeonies and other special items should be planted in the Fall in any section. Tell us your plans. Our suggestions may prove helpful in making your selections and in securing the best results at the least expense. This special service is without cost or obligation.


IMPORTANT—PLEASE READ CAREFULLY

WHEN TO ORDER—We issue this Catalog in September, but your order placed at any time will go forward in season, as follows:

FLOWERING BULBS—Begin to arrive in August, deliveries being complete by December 1st, except Cannas, Dahlias, Gladioli, etc., which are not ready until after February 1st.

ROSES—Our large two-year old field grown roses are ready for delivery from October until May, one-year old mailing size from January to August. The earlier you set them the better they will grow.

PALMS, POT AND HOUSE PLANTS—Palms and plants should be potted as soon as possible after arrival and watered well for a day or two so as to settle the earth around the little fibrous roots.

 **Order Early**—it helps us to please you.

FRUIT, SHADE AND ORNAMENTAL

TREES AND SHRUBS—We ship these from October until May and recommend fall and early spring planting. If you do not want to plant on arrival, dig a trench and "heel" your trees in. If the ground is frozen, put them in a cellar and keep the roots damp.

COMPLAINTS OR PRAISES—If our goods and treatment please you, tell others; if anything is wrong, tell us quickly, so that we can make it right. Our best efforts will be given to filling all orders in a satisfactory manner.

WE NEVER SUBSTITUTE without permission from our customer. But as many items are sold out as the season advances, when requested, we will substitute varieties of equal merit maturing about the same season. **But always labeled true to name.**

MAIL and EXPRESS CHARGES on BULBS

Only Flowering Bulbs are Prepaid at Catalog Prices to points in the United States. Alaska, Canadian and foreign postage extra. All other items F. O. B. Nursery unless otherwise stated.

WE CANNOT SEND PERISHABLE GOODS C. O. D.—CASH MUST ACCOMPANY ALL ORDERS.

SEND MONEY by postoffice or express money order, bank draft or registered letter.

DO NOT SEND PERSONAL CHECKS as your order may be delayed by their collection


We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, nursery stock, roots or plants we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned. **PORTLAND SEED COMPANY**

HYACINTHS

OUR named Hyacinths have massive spikes of bloom of the most delicate and beautiful shades from pure white through blush to pink, rose and deepest red, from dainty porcelain shades of blue to blue black and from cream to yellow, apricot and orange. Their dainty wax-like flowers, rare fragrance and easy culture endear them to every grower and they can be had in bloom from early winter to late spring.



SINGLE HYACINTH

 When ordering Hyacinths for bedding refer to the table inside of front cover for number of bulbs required.

The assorted bedding Hyacinths we offer are fine large bulbs that will produce splendid spikes of bloom in the best colors. They are very low in price and much superior to the mixed bedding Hyacinths commonly sold and which are generally so variable in their shades of color as to spoil the general effect of the planting.

OUR "XX" GRADE—For those of our customers who want to produce Hyacinths of the grandest size and finest quality, we recommend our "XX" grade. These are extra choice, large, round, solid bulbs, selected especially for our best trade by our Holland growers. They will produce those handsome, mammoth flowers so highly prized, and are excellent for forcing and pot culture.

OUR "X" GRADE—This grade is usually bought, and we sell more of this price and size bulb than any other. Our "X" grade is equal, if not superior, to the "First" or "Select Grade" offered by many seed stores.

OUTDOOR CULTURE—The preferable season is October, November and December, but bulbs give good results, if planted somewhat later. Plant so that the tops of the bulbs will be from two to three inches below the surface and five to eight inches apart. In preparing the bed, see that it is well drained, so that the bulbs will not rot during our long wet winters. After flowering, if the beds are wanted for late spring planting take up the bulbs, top and roots, and "heel in" in some corner of the garden until the bulbs mature, after which they should be spread out in an airy room to dry, and kept in a cool, dark place until time for replanting the following autumn.

INDOOR CULTURE IN POTS—Bulbs for winter blooming can be planted from September until December—the earlier the better. Plant one bulb to a four-inch, or three to a six-inch pot. Then place in a cool, dark cellar, watering well. The whole success of pot culture depends on getting the roots well established in the pots, at a low temperature of say, 40 to 50 degrees, before you begin to force the tops. From four to six weeks is not too long to leave them in a dark, cool place. After this the bloom is easily developed by giving light, heat and water, and one can have a supply of flowers from Christmas until Easter by regulating the time of bringing them to light.

CULTURE IN GLASSES—When it is desired to grow Hyacinths or Narcissus in water, they should be placed so that the base of the bulb merely touches the water. The glass should then be set in a cool, dark place, until filled with roots, when they may be brought into the light. Fill the glasses with fresh water every few days. Give as much fresh air as possible without letting the plants stand in a draught, and as nearly as possible at a temperature of 60 degrees until the spikes are developed.

 Bulbs prepaid in U. S. only. Postage to Canada, Alaska and outside points extra.

TULIPS

Extra Select Large Solid Bulbs

WHETHER planted in masses or small beds Tulips produce a handsome and striking effect. They are equally desirable as pot plants and are always sure to bloom. Any good garden soil will grow them to perfection and no bulb makes such a gorgeous display of blossoms with so little cultivation.

CULTURE—The culture of Tulips is similar to that of Hyacinths, except that the bulbs should not be planted quite so deep, and from three to six inches apart. All single Tulips force easily. For indoor planting we have regular Tulip pans. Plant four bulbs to a six-inch pan; eight to an eight-inch pan, etc.

The letters A, B, C, following the varieties, indicate their earliness of bloom; the A's are the earliest, B's follow, etc. The average height in inches is also given for your benefit in selecting for bedding purposes.

Outdoors—Early or late planting does not seem to have much effect on Tulips, but they should be planted in fresh, rich soil, but not freshly manured, manuring should be done six months before planting.

Single Early Scarlet Tulips

ARTUS, B 7—Deep, brilliant scarlet, fine for forcing or bedding. Each 7c; doz. 65c; 100 \$4.75

BELLE ALLIANCE, B 7—Brilliant scarlet, sweet scented, excellent for forcing and bedding. Each 8c; doz. 80c; 100 \$5.50

CRIMSON KING, B 7—Bright crimson or scarlet, easily forced. Each 7c; doz. 70c; 100 \$4.75

PRINCE OF AUSTRIA, B 12—Bright orange vermillion, sweet-scented flower, fine for forcing and bedding. Ea. 8c; doz. 85c; 100 \$6.00

VERMILION BRILLIANT, B 8—A beautiful flower, forces easily and early; one of the largest and finest scarlets. Each 10c; doz. \$1.10; 100 \$8.00

CRAMOISE BRILLIANT, B 10 (Sparkler)—Bright vermillion, large flowers of great substance, fine forcer. Each 8c; doz. 80c; 100 \$5.25

POTTEBAKKER, A 8—Bright scarlet; large fine flower, good for forcing or bedding. Each 7c; doz. 75c; 100 \$5.00

COULEUR CARDINAL, B 10—Rich bronze scarlet, large fine flower of great substance, long stems, erect habit; a splendid bedder and one of the best for forcing. Our stock is extra fine. Each 10c; doz. \$1.15; 100 \$8.50

Single Early Violet

VAN DER NEER, A 10—Large violet purple, fine form, early. Each 15c; doz. \$1.50; 100 \$11.00

WOUVERMAN, B 8—Purple violet, large flowers; fine for out-door planting. Each 10c; doz. \$1.00; 100 \$7.50

Single White

ALBION, B 10—(White Hawk)—One of the finest pure white Tulips in cultivation for forcing and bedding; flowers snow white, very large and of great substance.

Each 8c; doz. 80c; 100 \$5.75

JOOST VAN VONDEL — (White) — B 9—Finest and most handsome pure white Tulip, extra large. Each 8c; doz. 80c; 100 \$5.75

LA REINE, B 8—Pure white; best white Tulip for forcing and bedding.

Each 8c; doz. 80c; 100 \$5.75

SINGLE EARLY TULIPS—*Continued*

Single Yellow

CHRYSOLORA, A 9—Pure golden yellow, large and fine; excellent for bedding.

Each 7c; doz. 75c; 100 \$5.00

GOLD FINCH, B 9—Golden yellow, sweet scented; forces easily and early; a good bedding sort. Each 8c; doz. 80c; 100 \$5.75

THOMAS MORUS, A 12—Apricot orange. The finest forcing Tulip of its color, very early.

Each 7c; doz. 75c; 100 \$5.00

PRIMROSE QUEEN, B 10—Rich sulphur yellow; a splendid forcer and good keeper. Florists should try this.

Each 8c; doz. 85c; 100 \$6.00

YELLOW PRINCE, B 9—Sweet scented; one of the very best for forcing; a fine yellow.

Each 7c; doz. 75c; 100 \$5.25

Single Pink

PINK BEAUTY, B 11—Bright rose pink shading to blush near yellow center. Has no equal in its class. Each 12c; doz. \$1.20; 100 \$9.00

PROSERPINE, A 12—Fine glossy carmine pink, large and early forcer and a splendid bedding Tulip.

Each 12c; doz. \$1.20; 100 \$9.00

ROSE LUISANTE, B 9—Deep pink, extra fine bedder; forces well.

Each 8c; doz. 85c; 100 \$6.00

ROSE GRISDELIN, B 7—Beautiful delicate pink.

Each 7c; doz. 75c; 100 \$5.00

Fine Single Mixed

All colors and shades; fine for bedding.

Each 6c; doz. 55c; 100 \$3.75

Single Variegated Tulips

COTTAGE MAID, B 9—White bordered with pink, extra fine. Each 6c; doz. 60c; 100 \$4.25

DUCHESS DE PARMA, C 10—Terra Cotta with yellow edge, good bedding variety.

Each 7c; doz. 75c; 100 \$5.00

JOOST VAN VONDEL, B 9—Deep, glossy, cherry red and white, large and attractive.

Each 7c; doz. 75c; 100 \$5.00

KEIZERSKROON, B 9—Bright red, with yellow edge; very large, no other Tulip makes such a handsome bed. Each 7c; doz. 75c; 100 \$5.25

Early Double Tulips

THE double Tulips are used mostly for outdoor planting and bloom a little later than the early Single Tulips. Being double and full, the blooms last longer. This, with the great variety of colors, shades and markings, makes them favorites with many.

BOULE DE NEIGE (Purity), A—Pure white large peony-like flower.

Each 7c; doz. 75c; 100 \$5.00

COURONNE D'OR, B 8—The best double yellow for forcing.

Each 10c; doz. \$1.00; 100 \$7.75

LE MATADOR—Bright scarlet; fine for forcing and bedding.

Each 10c; doz. \$1.10; 100 \$8.50

MURILLO, B 8—Decidedly the best double pink Tulip for forcing or bedding; flowers large and full. Each 8c; doz. 80c; 100 \$5.75

RUBRA MAXIMA, B 9—Bright crimson scarlet; splendid for bedding; cannot be forced, flowers large. Each 9c; doz. 95c; 100 \$7.00

SALVATOR ROSA, A 7—Beautiful deep rose, flamed with white; fine for forcing.

Each 9c; doz. 95c; 100 \$7.00

TITIAN—Scarlet, edged yellow. Height, 12 inches. Each 9c; doz. 90c; 100 \$6.50

TOURNESOLL, A 9—Bright red, with yellow edge, sweet scented, large flower. Easily forced. Each 9c; doz. 95c; 100 \$7.25

VUURBAAK, B 14—Bright scarlet, flushed orange; very attractive.

Each 10c; doz. \$1.15; 100 \$8.50

WHITE MURILLO—(Schoonoord)—One of the finest double white tulips.

Each 7c; doz. 75c; 100 \$5.00



Double Tulip, Murillo

EARLY DOUBLE MIXED—This mixture contains a large and choice assortment of all colors and shades; very suitable for outdoor planting.

Each 7c; doz. 65c; 100 \$4.75

Type of
May-
Flowering
Tulips

Gesneriana
Spathulata



If moles trouble your tulips sink one-inch mesh poultry netting two feet wide in the ground around your Bulb Beds so the top is about level with the surface.

SNOWDON—Pure white; one of the best of this type.

Each 8c; doz. 80c; 100 \$5.60

WHITE SWAN—A lovely egg-shaped pure white flower on long stems; extra fine cut flower.

Each 6c; doz. 60c; 100 \$4.25

PARROT TULIPS

Parrot Tulips have immense flowers of brilliant and varied colors, with petals curiously fringed or cut. They are very showy and should be grown in every flower garden.

ADMIRAL DE CONSTANTINOPLE—Orange red, good size.

CRAMOISE BRILLIANT—Beautiful carmine red, large flowers; very fine.

LUTEA MAJOR—Golden yellow, extra fine large flowers.

MARKGRAAF—Inside rich orange, outside scarlet and yellow, feathered, extra fine.

PERFECTA—Yellow, scarlet feathered.

SINGLE TULIPS

MAY FLOWERING

THESE are to be grown in the open ground only, each individual blossom being a marvel of beauty in itself. They grow from 18 to 24 inches high and appear at their best when used in the border, the foreground of shrubbery or buildings, or out of the way corners of garden, where, if left undisturbed, they will bloom with increasing beauty for years. They are extremely hardy and the flowers borne on long, strong stems are good keepers when cut.

AVIS KENNICOT—Deep yellow, long stems, a splendid new variety. Each 8c; doz. 80c; 100 \$5.50

BOUTON D'OR—The only late pure deep golden yellow. Each 6c; doz. 60c; 100 \$4.00

CALEDONIA—Bright orange scarlet. Fine for outdoor cutting. Each 6c; doz. 60c; 100 \$4.00

FAIRY QUEEN—Rosy heliotrope, broadly margined yellow; inside of petals brownish red.

Each 7c; doz. 75c; 100 \$5.00

GESNERIANA SPATHULATA—Blooms large; color rich crimson with dark center. Ea. 7c; doz. 65c; 100 \$4.50

GESNERIANA LUTEA—Deep yellow, fine large flower. Each 7c; doz. 65c; 100 \$4.75

ISABELLA—(Shandon Bells)—Cream turning to carmine, large. Each 7c; doz. 65c; 100 \$4.75

INGLESCOMBE PINK—Salmon pink with blue base; one of the finest of the large May flowering Tulips.

Each 7c; doz. 65c; 100 \$4.50

INGLESCOMBE SCARLET—Same form as the pink type. Color a rich scarlet black base.

Each 7c; doz. 65c; 100 \$4.50

INGLESCOMBE YELLOW—A large fine yellow of perfect form; may be used for yellow Darwin.

Each 7c; doz. 75c; 100 \$5.00

LA MERVEILLE—A large bright scarlet, suffused apricot orange; graceful long pointed petals.


Each 7c; doz. 65c; 100 \$4.75

MRS. MOON—Large orange yellow. The best of its color. Each 9c; doz. 90c; 100 \$6.75

PICOTEE—White with a pink border; fine for cutting. Each 6c; doz. 60c; 100 \$4.25



Prices: NAMED VARIETIES—Each 6c; dozen 60c; 100 \$4.25
FINE MIXED—A full assortment of colors. Each 5c; doz. 50c; 100 \$3.75

 Bulbs prepaid in U. S. only—Postage to Canada, Alaska and outside points extra.

GIANT DARWIN TULIPS

DARWINS are rapidly becoming the most popular Tulip for outside planting. They flower in May, are of giant size and have a majestic beauty distinctively their own that is invaluable for garden and landscape effects. They come in the most varied and brilliant colorings, and their immense globular flowers of perfect form and satiny, wax-like texture, long stems and lasting qualities, make them ideal for cutting.

For best effects Darwins should be planted in clumps of from 15 to 25 bulbs of one color, or in the foreground of shrubs, trees, borders, or buildings. They prefer partial shade, but will thrive in any location.

BRONZE QUEEN—Extra large, light bronze yellow.

Each 10c; doz. 90c; 100 \$7.00

CLARA BUTT—Bright apple blossom pink, a brilliant and beautiful self-color. Conceded by all critics to be the most magnificent of the Darwin type; splendid for forcing and flowers, must be grown cool when forced.

Each 6c; doz. 60c; 100 \$4.25

DREAM—Beautiful soft lilac self-colored, extra large.

Each 8c; doz. 85c; 100 \$6.00

EUROPE—Salmon scarlet, shaded rose.

Each 8c; doz. 80c; 100 \$5.50

FARNCOMBE SANDERS—Magnificent brilliant scarlet, a finely formed giant flower; the best red Darwin.

Each 8c; doz. 85c; 100 \$6.00

GRETCHEN—Large globular delicate pink flower, inside soft blush.

Each 7c; doz. 65c; 100 \$4.75

HIPPOLYTE—A unique color among Darwin sorts being a beautiful blue-violet shade.

Each 7c; doz. 75c; 100 \$5.00

LA CANDEUR—(White Queen)—Splendid white flower tinged delicate blush; large size.

Each 7c; doz. 65c; 100 \$4.60

LA TULIP NOIRE—The Black Tulip—Flowers large, lustrous and attractive, of fine form, grows 24 inches high. A rare novelty.

Each 9c; doz. 90c; 100 \$6.75

KING HAROLD—Deep garnet red with purple black base. Splendid variety for border use. Strong stems.

Each 8c; doz. 90c; 100 \$6.25

MASSACHUSETTS—Large flowers of vivid pink with white center. Superb for outdoor planting.

Each 8c; doz. 80c; 100 \$5.75

MME. KRELAGE—Bright pink, lighter edge.

Each 8c; doz. 80c; 100 \$5.50

NORA WARE—Lovely silvery Lilac with white suffusion. A very popular variety; height 20 inches.

Each 7c; doz. 65c; 100 \$4.75

PRIDE OF HAARLEM—Brilliant salmon rose, shaded scarlet, blue at base; of grand size and form.

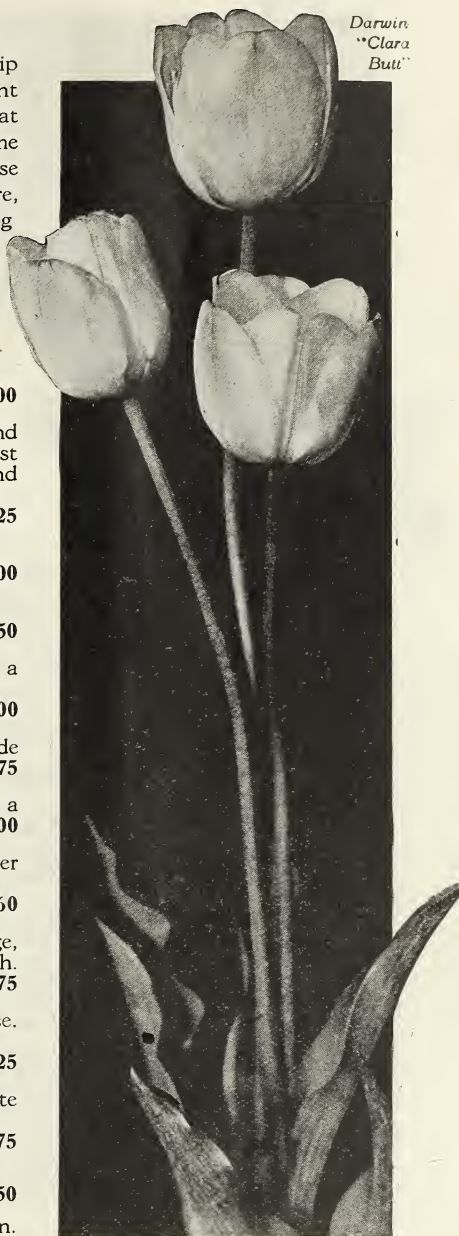
Each 7c; doz. 75c; 100 \$4.50

REV. EWBANK—Soft mauve, light edging.

Each 7c; doz. 75c; 100 \$5.25

MIXED—Each 6c; doz. 55c; 100 \$3.75.

Darwin
"Clara
Butt"



Don't Fail to Plant a
Few Clumps of
DARWINS

They make a wonderful
garden display and are
beautiful and lasting
when cut.

For *Gladioli, Dahlias, Cannas and Spring Flowering Bulbs* see our General Catalog. Ready in January.

"DIAMOND QUALITY"

NARCISSI

WE CONSIDER NARCISSI to be the most satisfactory and valuable of all flowering bulbs; their exquisite perfume, earliness, free blooming and keeping qualities, endear them to all who have grown them.

Once planted in the field or garden they need no further attention but will thrive and perpetuate themselves, increasing in beauty for years.

Popular Types

POLYANTHUS—Flowering in clusters; the "Paper White" being the earliest, easiest to force and best known of this class.

"DAFFODILS"—The Trumpet types are the most widely known, and some of the best garden varieties are of this class, they also force easily, making ideal pot plants.

"STAR NARCISSUS"—The "Chalice Cupped" are the daintiest and most charming of all types. To this class belong the *Incomparabilis*, *Barrii*, *Leedsii*, etc., all splendid garden varieties that will give perfect results when grown in pots or forced.

POETICUS or "PHEASANTS EYE" NARCISSUS—The White flowered give us some of the best of the later garden types, being hardy, sweet scented, very chaste and beautiful. Some varieties force easily, others are best suited to the garden or field.


POETAZ NARCISSI—Are hybrids of *Poeticus* and *Polyanthus* types, forming a distinct and beautiful, free blooming, large cluster flowered class, equally valuable for bedding or forcing; extremely hardy.

*Book of
"Daffodils
and
Narcissi"
Price \$1.35
Postpaid*

Culture of Narcissi

Outdoor Culture—Plant in early fall if possible but plantings as late as Christmas will give excellent results. The depth to plant is $1\frac{1}{2}$ the depth of the bulb. This gives a covering of 2 to 3 inches of soil. Any good garden soil which has not been recently manured will give satisfactory flowers, but a deep, moist loam is best. If the ground is dry or sandy it should be dug deeply, well manured and an annual, such as potatoes grown the year previous. If your soil is light and you do not want to take off a crop before planting, give a light dressing of lime to the surface and work in a layer of well rotted manure a foot below, so as to be out of reach of the bulbs, this layer is to hold the moisture, not as a fertilizer. The best fertilizer is ground bone. This can be used with safety on poor sandy soil.

Pot Culture—The Bulbs should be planted as soon as received as earliest plantings insure finest flowers. In potting use good, turfy loam, but let no manure of any kind, well rotted or otherwise, touch the bulb. Set in a cool, dark room for a month or two, until well rooted, then remove to the light for flowering. (All bulbs prefer a cool temperature. Be careful not to grow them too warm.) Do not cultivate too much, as extra vigor of growth injures the purity of color. Some Narcissi prefer partial shade but grow splendidly in any situation.

 *In Planting Narcissi large groupings of irregular outline give most pleasing effects, shun symmetrical lines or formal designs.*

Double Daffodils

ALBA PLENA ODORATA—(6)—"The Double White Poet's Narcissus."—Double, snow-white flowers, exquisitely scented; late flowering; cannot be forced.

Each 6c; doz. 60c; 100 \$4.00

ORANGE PHOENIX—(3)—(Eggs and Bacon)—Beautiful double white flowers, with orange center; splendid for pot culture, cutting and garden planting.

Each 7c; doz. 75c; 100 \$5.00

VAN SION—(*Telamonius Plenus*) (2)—"The True Double Yellow Daffodil."—Rich golden yellow perianth and trumpet. Thrives and blooms in increasing profusion every spring and is also one of the best winter flowering and forcing sorts. Each 8c; doz. 80c; 100 \$5.75


VAN SION—Double nose, extra large bulbs.

Each 10c; doz. \$1.00; 100 \$7.75

SILVER (SULPHUR) PHOENIX—(3)—Very large flowers; pale creamy white, shading to primrose. Each 8c; doz. 80c; 100 \$5.75

DAFFODILS

THE TRUMPET TYPES OF NARCISSI are the true old fashioned form of Daffodils, they are the largest and most glorious of all Narcissi and are perfectly hardy everywhere. Can also be grown in pots.

 To enable you to plant for succession of bloom, we have numbered the varieties in their relative earliness. No. 1, early March; No. 2, late March; No. 3, early April; No. 4, late April; No. 5, May.

ALBICANS—(2)—The "White Spanish Daffodil"—Cream white, with silvery white trumpet slightly flushed with primrose and elegantly recurved at brim. **Each 7c; doz. 75c; 100 \$5.00**

BARRII CONSPICUUS—(4)—Long-stemmed flowers, with beautiful broad-petaled perianth; sparkling canary yellow, with deep golden cup, richly edged with orange scarlet.

Each 8c; doz. 80c; 100 \$5.75

BICOLOR EMPRESS—(3)—Perianth snow-white, trumpet rich yellow, serrated and flanged at the edges large in outline and of rare beauty.

Each 10c; doz. \$1.10; 100 \$8.00

BICOLOR VICTORIA—(2)—A magnificent large variety, bold and erect. Sweet scented. Perianth white and of great substance; trumpet rich yellow.

Each 10c; doz. \$1.10; 100 \$8.25

EMPEROR—(3)—Perianth primrose; trumpet large, rich deep yellow. One of the finest Daffodils grown.

Ea. 10c; doz. \$1.10; 100 \$8.00

GOLDEN SPUR—(1)—Extra large, bold, rich, golden yellow flowers, foliage very broad and striking; unsurpassed for gardens, pots and forcing.

Each 8c; doz. 75c; 100 \$5.00

Double Nose. Ea. 10c; doz. \$1.00; 100 \$7.00

GLORY OF LEIDEN—(4)—A bold, giant daffodil, with golden yellow trumpet, perianth lighter, forces well, and very hardy in open ground.

Each 15c; doz. \$1.25; 100 \$9.00

LUCIFER—Large white perianth, cup intense glowing orange-red. First class certificate R. H. S.

Each 8c; doz. 85c; 100 \$6.00

HENRY IRVING—(1)—Golden yellow Trumpet and perianth, a very popular early variety. Large and of fine form.

Each 8c; doz. 80c; 100 \$5.50

Poeticus Varieties

The large, single blossoms, 2 to 2½ inches across, are of a snowy whiteness, intensified by the exquisite golden colored cups, ringed like a pheasant's eye, with red and green. Especially valuable for garden planting, and if allowed to remain undisturbed, they thrive, spread and improve every year.

GLORY OF LISSE—(4)—The new Poeticus, largest of the type. Snowy white, perfectly formed.

Each 8c; doz. 80c; 100 \$5.75

POETICUS (Pheasant's Eye)—(5)—Pure white flowers, orange cup, edged with red. Very useful for cutting in spring; are perfectly hardy out of doors—will bloom year after year.

Does not force. Each 5c; doz. 50c; 100 \$3.25

POETICUS ORNATUS—(4)—(The Improved Poeticus)—Pure white cup, edged with scarlet. Good forcer and earlier than Poeticus.

Each 5c; doz. 50c; 100 \$3.25

Double Heads, Each 7c; doz. 75c; 100 \$5.00



Daffodils

*once
planted
need not be
disturbed
for years.*

*They will
increase and
bloom freely
and are
hardy
everywhere*

MAD. DE GRAAFF—(4)—Opens with soft primrose trumpet passing to white, forces well and for garden or naturalizing in grass has no superior.

Each 20c; doz. \$2.00

PRINCEPS—(1)—One of the finest of the large trumpet type. Also superior as a forcing variety; perianth pale sulphur; trumpet rich yellow.

Each 9c; doz. 95c; 100 \$7.00

SIR WATKIN—Incomparabilis Type—(2)—"The Giant Chalice Flower," or "Big Welshman." Immense, long stems, flowers of rich light yellow, with a large, dark cup, tinted with orange.

Each 10c; doz. \$1.10; 100 \$8.00

Cluster-Flower—Poetaz Narcissi

These are hardy hybrids between Polyanthus and Poeticus, very vigorous, bearing in profusion clusters of delightfully fragrant flowers. Good keepers, forcing or bedding.

ELVIRA—Broad, white petals, deep golden cup, with scarlet edge, delicious fragrance.

Each 7c; doz. 75c; 100 \$5.25

Jonquils


A species of Narcissi distinguished by rush like leaves. Easily grown in the house or open ground.

JONQUIL CAMPERNELLE RUGULOSUS—Improved giant Jonquil, broadly imbricated perianth, wrinkled cup, beautiful rich yellow.

Each 6c; doz. 60c; 100 \$4.25

JONQUIL CAMPERNELLE RUGULOSUS PLENUS—Double yellow flowers of great beauty on tall, graceful stems.

Each 6c; doz. 60c; 100 \$4.25

 **Bulbs prepaid in United States only—Canadian and Alaskan Postage extra.**

NARCISSUS

**"Paper-White"
GRANDIFLORA**For Growing in
Pots or Glasses**EARLY FLOWERING BULBS
FOR INDOOR PLANTING**

THE EARLY FLOWERING BULBS for indoor planting will give the first winter flowers and can be had in succession from early winter until spring. They are of easy culture, sure to bloom, and should be in every home and school room.

Narcissi—Polyanthus

The Polyanthus varieties of Narcissi are not only beautiful, but deliciously sweet-scented, and of the easiest culture, very free flowering and suitable for forcing indoors or bedding out, continuing long in bloom.

Paper White—Grandiflora


Beautiful fragrant flowers of pure white; forces admirably and flowers freely in dense clusters; will bloom in December, if potted early. Anyone can grow them in the house successfully. Plant one bulb to a three-inch pot, four to a six-inch pot. Can be grown in water. See page 3 under Hyacinths.

Each 10c; doz. \$1.00; 100 \$6.75

Polyanthus Varieties—Mixed

These include the choice named sorts such as **Grand Monarch**, white; **Soliel D'Or**, yellow, **The Pearl**, etc., and are suitable for open ground or pot culture. They can also be grown in water the same as the "Paper White."

Each 10c; doz. \$1.00; 100 \$7.00

 Postage prepaid in U.S. only. Canada, Alaska and outside points extra. See page 49

Sacred Chinese Lily

A variety of Narcissus, bearing in lavish profusion chaste flowers of silvery white, with golden cups, which are of exquisite beauty and entrancing perfume.

These grow well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough pebbles to prevent them from tipping over when in bloom. A dozen bulbs started at intervals will give a succession of flowers throughout the winter. **Each 15c; doz. \$1.75, postpaid**




China Lily

Freesias

These popular winter blooming bulbs force readily, and by successive plantings will last throughout the season. Their handsome clusters of white flowers have a most delicious fragrance. Plant four to six in a 4-inch pot.

PURITY—New Giant Freesia—Pure white.**Doz. 50c; 100 \$2.50**

 Our connection with the most successful and reliable growers of Freesias enables us to supply our patrons with the choicest grades both in size and quality possible to produce and at prices no higher than for the average commercial grades.

CROCUS



A desirable effect is produced by setting Crocuses here and there over the lawn. It is only necessary to lift the turf and insert the bulbs about two inches deep. They bloom very early, dying down to the bulb in ample time to be entirely out of the way of the lawn mower. Once planted, they will remain uninjured in the ground and bloom for years.

Plant from October to March, about three inches deep and about two inches apart in beds or borders. Indoor, the Crocus can be easily forced. Plant from six to a dozen bulbs in a shallow pot, keep cool and water well, treating same as Hyacinths.

PRICE, except as noted: doz. 40c; 100 \$2.50

BARON BRUNOW—Bright purple, free bloomer, flowers large, extra fine. —

KING OF THE WHITES—Mammoth snow white, truly the king of all white Crocus.

LOTHAIR—White with blue stripes, very beautiful and distinctive.

PURPUREA GRANDIFLORA—Bright purple, large, fine flower.

Price, doz. 60c; 100 \$4.00

Separate colors in mixed shades are extensively planted for outdoor beds or borders.

ASSORTED—Blue, striped, white or yellow. Doz. 30c; 100 \$2.00. **MIXED**—All colors. Per 100 \$1.50

MONT BLANC—Large, pure white; one of the finest.

MAMMOTH YELLOW—Yellow, selected bulbs of large size; finest blooms.

SIR WALTER SCOTT—White, striped with purple, the best striped, very large.

CALLA LILIES

CALLA AETHIOPICA—White Calla has few equals as a pot plant, and is easily grown. Plant one bulb to 6-inch pot, giving an abundance of water, light and heat.

First Size Bulbs.

Each 15c; doz. \$1.50

Extra Size Bulbs.

Each 20c; doz. \$2.00

GODFREY CALLA—Beautiful snowy white flowers borne continuously in great profusion. The "Godfrey" is a little smaller than the Aethiopia but makes a more luxuriant growth and is specially useful to florists on account of the great number of flowers it will cut. This also makes it a great favorite as a house plant.

Each 25c; doz. \$2.50

YELLOW CALLA (Elliotiana)—Flowers are a deep rich golden yellow and lasting. Foliage is a beautiful deep green, spotted silvery white. Treat same as White Calla.

Each 35c; doz. \$3.75



Lilium Washingtonianum

MT. HOOD LILY—A beautiful Lily, native of Oregon; flower large, of open form, white, tinted with lilac; grows 3 to 5 feet high; very fragrant.

Choice Bulbs.

Each 20c; doz. \$2.00

Calla Elliotiana

 **JAPAN LILIES**—**LILY OF THE VALLEY**—AND **LILIUM CANDIDIUM**—on Page 12

LILIES—JAPAN




Lilies planted outdoors during the fall or early spring flower each year from June to October.

After bulbs are set out they should remain undisturbed for five or six years. They will increase in size, beauty and number of flowers, with practically no attention, our coast climate being perfectly suited to their requirements, and once established, they rival the famous product of Japan.

LILIUM LONGIFLORUM—Giganteum—Of grand size and substance; superior to the Multiflorum, but forces a little later; especially fine for open ground.

Plant in early December for Easter blooming. Choice bulbs, each 30c; doz. \$3.25, postpaid; extra choice bulbs, each 40c; doz. \$4.00, postpaid.

 Owing to the great shortage of stock, overcrowded transportation facilities, high freight rates and importing restrictions, it was only possible to secure a limited number of Lilies from Japan this season and we can only offer subject to stock being unsold. Order early.



LILY OF THE VALLEY

Extra Select Pips

One of the most satisfactory and charming Spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. Valleys thrive in any common soil, are perfectly hardy, and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year, and are most charming in beds or borders around the lawn. For outdoor planting and Winter forcing, pips are ready November to March.

SELECTED PIPS, for forcing indoors or planting outside. Doz. 75c; 100 \$5.00

Lilium Candidum

This is the ever popular, fragrant snow white, hardy garden Lily. It grows four to five feet high and blooms in the open ground in June. Our stock is imported from the Azores, the finest obtainable; should be planted early. Each 20c; doz. \$2.00


EASTER SUNDAY APRIL 4, 1920



IRIS are of such easy culture and rare beauty that everyone should grow them. They make a magnificent display either in clumps or border, blooming profusely and increasing rapidly and are perfectly hardy in the open ground, preferring a moist situation. Plant Fall or early Spring.

Japanese Iris (*Iris Kaempferi*)

Japanese Iris are unsurpassed for their brilliant and varied colorings, producing effects that are truly marvelous. Blossoms early summer. Plant three inches deep, about 4 inches apart; divide the clumps every two years. Fertilize established beds while dormant, using stable manure, but do not apply after growth starts.

 We have listed most Japanese Iris under their colors as the names are meaningless to the average grower and are soon lost or confused.

APOLLO—A wonderful pure white of good substance and graceful form.

HELEN—Beautiful violet red with white center.

BLUE—A splendid, large, free flowering true blue.

SILVERY WHITE—A charming flower, suffused and veined with a soft shade of light blue.

PURPLE—A dark, rich shade of royal purple.

LILAC—A dainty light lilac heavily veined with purple.

CRIMSON PURPLE—Fine large purple flower overlaid with bright crimson.

PURPLE MAROON—A deep pleasing shade of purple with maroon suffusion

Double Varieties

DARK VIOLET—Large, shapely flower, beautifully veined and shaded.

BLUE JAY—Tall, rich blue suffused with crimson.

DARK BLUE—Brilliant deep blue.

WHITE—Lovely form, large white flower. Very early.

PRICES: Strong roots, each 30c; per dozen \$3.25

Hardy Iris

Hardy Iris is one of the best of the early spring flowers, is hardy everywhere, and if planted in a moist situation or watered freely, will produce magnificent orchid-like blooms of great size and delightful fragrance. Comes in charming color effects in **blues, browns, yellows, purples, white.**

FAWN—A charming soft fawn yellow.

GOLDEN YELLOW—A deep rich golden yellow, very pleasing.

LOUISE—Sulphur yellow of a bright clear shade.

WHITE VIOLET—A rare and beautiful combination, being pure white with lovely violet falls.

LIBERTY (New)—A wonderful new bright azure blue superior to the popular Pallida Dalmatica. "Liberty" is a sport from "Juanita," is a very vigorous and free flowering variety often having 8 to 12 blooms on a stalk with stems 3 to 5 feet.

PALLIDA DALMATICA—Extra large, lovely true lavender, delightful fragrance, free flowering, fine for massing or as a cut flower.

MADAM CHERAU—Large white, dainty frilled blue edge.

LOHENGRIN—Beautiful Cattleya rose, a large graceful flower.


PRINCESS ROYAL—Soft rose lilac, an unusual and attractive shade.

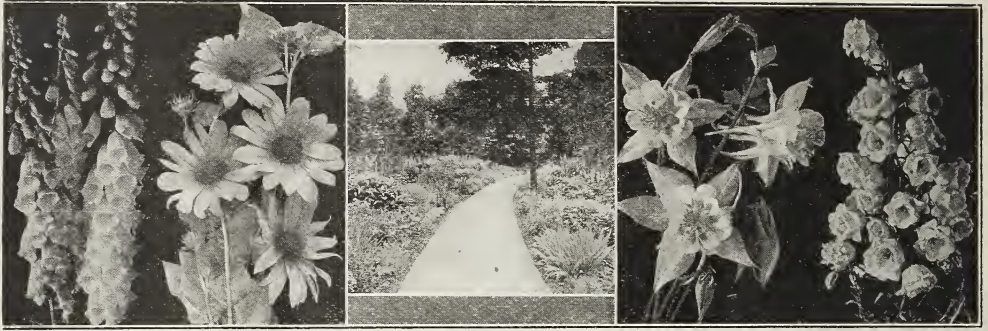
QUEEN OF MAY—A fine bright rose color. Early.

FLORENTINA ALBA—Dwarf snow white, best of its class.

HER MAJESTY—A rich dark bronze color of great beauty.

PRICES: Strong roots, each 20c, per dozen \$2.00

 Spanish Iris could not be supplied this season, owing to importing restrictions



PERENNIAL BORDER AND BEDDING PLANTS

WE offer well-rooted specimens that can be safely packed and promptly delivered in perfect condition. If you contemplate large plantings or special effects let us know your plans and requirements. We can supply in any quantity for every requirement at lowest prices.

By proper arrangement cut flowers and a grand garden display can be obtained throughout the season. The great advantage in planting perennials is their permanency and the fact that they require so little care.

PLANTS MARKED 20c, \$2.00 doz.; 25c \$2.50 doz., F. O. B. Portland.

ACANTHUS—(Bears Breech)—Very ornamental, having a tropical appearance. The foliage being attractive, the leaves about 2 feet long and the rose colored flower spikes 3 feet high appear in August and September. **Each 25c**

ACHILLEA—(The Pearl)—Pure white flowers, 2 feet high. **Each 20c**

ACONITUM (Monkshood or Helmet Flower) —*Napellus*—Large dark blue flowers, 4 ft. high, invaluable for semi-shady places. **Each 25c**

ALYSSUM SAXATILE COMPACTUM—Bright yellow corymbs; showy Spring flowering plant—also flowers in Autumn. **Each 20c**

ANCHUSIA ITALICA—Tall growing hardy plant, with pretty blue flowers in large racemes. **Each 25c**

ANEMONE JAPONICA—Beautiful Fall blooming plants. Rose or white. **Each 20c**

ANEMONE PULSATILLA—An ideal rock plant, 9 to 12 inches high. Violet or purple flowers April to May. **Each 25c; doz. \$2.50**

ANTIRRHINUM—(Snap Dragon)—Pink, Red, White, Orange, Bronze, Yellow Tall and dwarf. **Each 25c**

AQUILEGIA HYBRIDA—(Columbine)—An old favorite for Spring and early Summer. Blue, violet, pink. Fine for cut flowers. **Ea. 25c**

ARABIS—(Rock Cress)—Very early spring flowering plants especially adapted for edging and borders. Pure white flowers.

Alpina Grandiflora—Single. **Each 20c**

Alpina Flore Pleno— **Each 25c**

ARTICHOKE—Ornamental garden plant, bearing edible buds that develop into giant thistle like blooms. **Each 20c; doz. \$2.00**

ASTERS, HARDY—Among the showiest of late flowering plants. The colors are dainty blues, shades of red, pink and white. **Each 20c**

AUBRETIA—Pretty dwarf growing rock plants, silvery-green foliage and sheets of flowers in early spring and summer.

Bougainvillei—Purple. **Each 20c**

Leichtlini—Pink. **Each 20c**

CANTERBURY BELLS—Pink, white, blue large clumps **Each 20c; doz. \$2.00**

CHELONE—(Shell Flower)—*Barbata*—Brilliant rosy color; 2 to 3 feet high. **Each 20c**

COREOPSIS—(Golden Sunbeams).—Beautiful golden-yellow; fine for cutting. **Each 20c**

DAISIES GIANT—Pink and white. **Each 20c**

DIANTHUS—(Hardy Pink). **Each 20c**

DORONICUM—Early Spring Marguerite-like yellow flowers. Fine border plant. **Each 20c**

ECHINOPS—(Globe Thistle) *Ritro*—Thistle-like plant with globular heads of deep metallic blue flowers, which can be dried. Flowers in August. 2 to 3 ft. **Each 25c**

ENGLISH PRIMROSE—Finest sorts, from pure yellow to deepest crimson-maroon; early, low-growing, fragrant. **Each 20c**

FOX GLOVE—(*Digitalis*). Tall Gloxinia Flowered. *Pink, White and Blue.* **Each 20c**

GAILLARDIA—(Blanket Flower.)—*Grandiflora Maxima*.—Combination coloring of yellow, brown, crimson, orange; height, 2 feet; bloom until frost; fine for cut flowers. **Each 20c**

GEUM—(*Atrociniun*).—A splendid bed or border plant—18 to 24 inches—bearing freely, dainty little double red flowers. **Each 25c**

GYPHOPHILA—(Baby Breath.) *Paniculata*.—Single and double; thrives during driest weather; elegant rock plants and very useful for cut flowers. **Each 25c**

HELENIUM—(Sun-bride or Sneezewort)—very desirable border plant, broad-spreading heads of flowers, useful for cutting. Red, yellow, brown. **Each 25c**

HELIANTHUS—(Hardy Sunflower)—Effective hardy plants for large borders and planting among shrubbery. Flowers, golden-yellow.

Multiflorus Maxima—Golden-yellow flowers, July to August. **Each 20c**

HELIANTHUS SPARSIFOLIA—Superb new single sunflower of striking beauty; blooms late in the season. **Each 25c**

Hardy Perennial Garden Plants (Continued)

HELIOPSIS (Orange Sunflower)—July and August. Similar to *Helianthus* but earlier.

Dwarf habit, fine for cut flowers. **Each 25c**
Pitcheriana—Beautiful deep golden yellow flowers about two inches in diameter. **Each 25c**

HEUCHERA SANGUINEA—Dainty alpine plant requiring shade of a rockery or fernery. The bell-shaped coral red flowers are borne on wiry stems about 18 inches. **Each 25c**

HOLLYHOCKS—Good soil required, work in well rotted manure; water during dry weather. **New Double and Single**—Red, yellow pink, and white. **Each 20c; 4 for 75c**
Large clumps, **Each 25c; doz. \$2.50**

MYOSOTIS—(For-get-me-not)—*Dissitiflora*—Little blue star-like flowers. Useful for borders and half shady places. **Each 20c**

PENTSTEMON—(Beard Tongue) *Hybridum*—Large Gloxinia-like flowers, in all colors from white to deep crimson, 2 to 3 ft. high. **Each 25c**

PLATYCODON (Balloon flower or Japanese Bell Flower)—2 to 2½ ft. high. After the third season the plant will have ten to twelve stalks covered with lovely blue blossoms for nearly a month, beginning about July first. *Mariesi*. **Each 20c**

PYRETHRUM—(Persian Daisy)—Of easy culture in any garden soil where there is good drainage and full exposure to the sun. They prefer to be undisturbed for two or three years, bloom in June—*Hybridum*. **Each 20c**

RUDBECKIA—(Golden Glow)—Bears in profusion immense double blooms of the brightest, golden yellow; hardy everywhere **Each 20c**

RUDBECKIA NEWMANI—(Black-eyed Susan). Golden yellow ray petals around a dark center. Fine cut flowers. **Each 20c**

SCABIOSA—Handsome border plant. *Caucasica* (Blue Bonnet)—A soft shade of lavender, blooms June to Sept. Stems 18 to 24 inches. **Each 25c**

SEDUM—(Stone Crop)—Suitable for rockery carpet bedding, etc.

Album—Green foliage and white flowers. **Ea. 20c**

Lyodium glaucum—Glaucous foliage. **Each 20c**

SHASTA DAISY—(Alaska). Immense, fluffy white blooms, with golden eyes, from July until late Fall; fine for cutting; splendid border plants. **Each 20c**

STATICE—(See Lavender)—Valuable for border or rockery, with tufts of leathery leaves and immense candelabra-like heads. They last for months when cut and dried. Bloom June to Sept.

Incana—White minute flowers. **Each 25c**

Latifolia—Minute purplish blue flowers **Ea. 25c**

STOKESIA—(Cornflower Aster) *Cyana*—Handsome lavender blue cornflower-like blossoms which measure from 4 to 5 inches across. Desirable as a single plant or grown in beds 18 to 24 inches high, June to Sept. **Each 25c**

SWEET WILLIAM—Old favorites for beds and borders, assorted colors. **Each 20c**

Newport Pink **Each 25c**

VALERIANA—(Garden Heliotrope)—Decorative plant for the rockery, with strong heliotrope odor.

Officinalis—Rose tinted white flowers during June and July. **Each 25c**

Coccinea Rubra—Rose-pink flowers; blooms in May; 2 ft. high. **Each 25c**

Cocinea floralba—Pure white flower tufts. **Ea. 25c**

VERONICA PROSTRATA—Splendid for rock gardens and edges of borders; color deep blue. Blooms May to August. **Each 20c**

VERONICA REPENS—(Creeping Speedwell)—Slender compact plant with blue flowers. Thrives in the sun where grass will not grow. Fine for rock work. **Each 25c**

VIOLA—Fragrant plants which grow in half shady places and begin to flower early in the spring. Double and single—colors violet, blue or white. **Each 20c**

WALLFLOWER—Dark and Light; single and double; mixed; good subjects for rock garden and spring bedding. **Each 20c**

WATER LILIES—*Nymphae*—Hardy, white. Single roots 35c each; large roots 75c to \$1.50 postpaid.

Larkspur—Delphiniums

HARDY LARKSPUR—One of the most beautiful and useful border plants; vigorous, free-blooming and hardy. The varieties we can supply are among the best.

Named Varieties—Fine Large 2-year Clumps. **Ea. 25c; doz. \$2.50. Mixed, ea. 20; doz. \$2.00**

BELLADONNA GRANDIFLORA—Clear, delicate turquoise; a strong grower.

DELPHINIUM FORMOSUM—Dark blue with white center.

DUKE OF CONNAUGHT—Large flower of bright velvety-blue with inner petals of rosy-lavender, eye nearly black.

HANS DEKKING—Very free flowering sort having flowers of a brilliant cornflower blue.

KING OF DELPHINIUMS—Giant semi-double flowers, deep blue with white eye.

MASTERPIECE—Lovely deep gentian-blue and plum. Reflexed flowers of immense size. Tall.

PERFECTION—Sky-blue petals suffused with rosy-lilac. Semi-double. Branching habit.

PRIMROSE—White sepals, yellow eye, single flowered.

QUEEN ALEXANDRA—Sky-blue, white eye, single, very effective and beautiful; 4½ feet.

TRUE BLUE—Intense deep blue with black eye. Single flowered tall sort. One of the finest.




PAEONIES

Double Herbaceous

THE development and increase in popularity of the Peony has been unparalleled among flowers, and the profusion and duration of bloom, combined with handsome, massive foliage, accommodating habit, and easy culture, render them one of the most popular hardy plants grown for lawn and garden decoration.

Peonies are always free from disease and insects do not bother them. They are hardy, thrifty growers, bloom freely, and nothing will add more to the beauty and attractiveness of the lawn

 Varieties not listed in our choice collection can be supplied to your order.

ASA GRAY—Very large. Semi-double. Pale to deep lilac. Mid season. **Each \$1.25**

AVALANCHE—Very large and full, milky white. Strong grower, fragrant. Mid season. **Each 75c**

COURONNE D'OR—Superb white flower; immense size, reflects yellow, center petals, bordered carmine, fragrant, vigorous; late. **Ea. 75c**

DELACHEI—Large, full flower of a deep rich crimson, purplish tone; very fragrant; medium to late. **Each 60c**

DELICATISSIMA—Light rosy apricot, sometimes margined carmine red, Mid season. **Ea. 50c**

DUKE OF WELLINGTON—Very large sulphur white; fragrant. **Each 60c**

EDULIS SUPERBA—Rose pink, delightfully fragrant. An early bloomer, ready for Decoration Day. **Each 60c**

FELIX CROUSSE—Full double, flaming red, good bloomer. Mid season. **Each \$1.00**

FESTIVA MAXIMA—Immense double flowers pure white tipped or flaked with a small crimson spot at center. Early. **Each 60c**

FLORAL TREASURE—Large, very showy, pale lilac-rose, good for cutting. Mid season. **Each 75c**

FRAGRANS—Late; color deep rose; fragrant prolific bloomer; tall grower. **Each 50c**

MAD. BREON—Flowers outside flesh, center lemon, occasionally carmine tipped when first open; entire flower gradually changing to pure white. Early. **Each 60c**

MADAME CALOT—Large rose type; pale Hydrangea pink; fragrant; early. **Ea. \$1.00**

MAD. DE VERNEVILLE—Broad outside petals, sulphur white, with center rosy white, sometimes edged carmine. and beautifully imbricated. Early. **Each 60c**

MARIE JACQUIN—Rose white, fading to lilac white; wide incurved petals, showing an open center filled with yellow stamens like a water lily (midseason). **Each \$1.00**

OFFICINALIS RUBRA—Bright scarlet crimson; double and globular. Early. **Each 50c**

POTTSI-ROSEA—Rich deep rose, lighter center. **Each 50c**

QUEENS PERFECTION—Creamy white, large, full and attractive. Early. **Each 50c**

RACHEL—Dark vivid red; with a few golden stamens mixed in Corolla. Late. **Ea. \$1.00**

Mastodon Pansies in Bloom

From March until June we offer our famous "Mastodon" Pansy plants in full bloom. Put up one dozen in a basket. Mailing weight 4 lbs. Price, 60c to \$1.00 per basket, not prepaid.

NEW GIANT PANSIES—Our Giant Plants can not be compared to any other Giant Pansies. **Each 5c; doz. 50c; by mail 75c doz.**

MASTODON PANSY SEED—We offer a limited amount of this hand selected seed, **DIAMOND MIXED**, and four named varieties. **Per pkt 25c; Large Trade pkt \$1.00**



PERENNIAL PHLOX

HARDY everywhere. The marvelous new colors, beautiful foliage and easy culture make this choice flower one of the most desirable for beds, borders or lawn groups where permanent effects are desired.

Each 25c; doz. \$2.50

ANTONIN MERCIÉ—Medium; light ground color; upper half of each petal deeply suffused bluish-lilac, large white halo.

ATHIS—Tall magnificent salmon pink, free and continuous bloomer.

COQUELICOT—Scarlet, crimson eye; dwarf.

DIADEM—Large flowering, pure white—dwarf.

ELIZABETH CAMPBELL—Medium height; bright salmon-pink with lighter shading and dark crimson eye.

EUROPA—Medium; immense trusses of pure white with distinct crimson eye.

GOLIATH—Truly a giant in growth; color bright crimson carmine, deeper eye.

GEO. A. STROHLEIN—Medium bright scarlet with crimson red eye; does not bleach.

HUXLY—Medium; a beautiful lavender.

JEWEL—Dwarf; bright mauve rose with carmine red eye. Superior to Asia.

MME. PAUL DUTRIE—Tall; delicate lilac rose reminding one of beautiful soft pink Orchids.

MRS. JENKINS—The best tall early white for massing.

RHEINLANDER—Very large bright salmon-pink florets in large panicles. Tall growing.

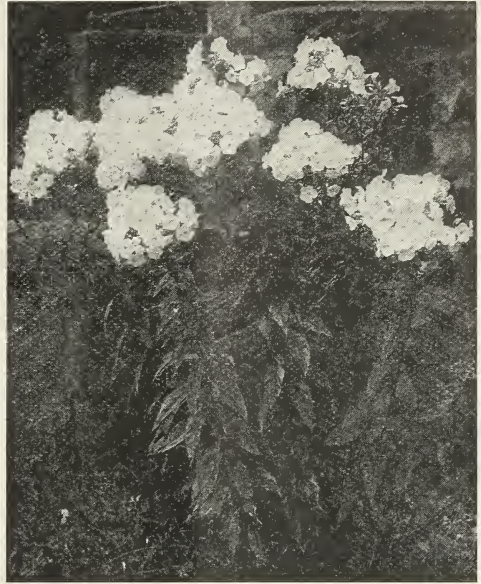
R. P. STRUTHERS—Tall, rosy carmine, with claret-red eye; fine.

SELMA—Tall; large flower; pale rose mauve with claret eye.

SUNSHINE—Dwarf; large, aniline-red with crimson-red eye and light halo.

THOR—Dwarf; beautiful rich salmon-pink with scarlet suffusion; eye aniline red with light halo.

VON LASSBURG—Medium; one of the largest flowered purest whites in cultivation.



Phlox for Rock Work

PHLOX SUBULATA—(Moss or Mt. Pink).—Early spring flowering; useful for carpet bedding; cemetery planting or rockeries.

PHLOX DIVARICATA CANADENSIS—Blooms early April, has large, beautiful lavender flowers; grows 10 inches high.

Sweet Violets

Single

Price each 15c; 8 sorts, \$1.00, Postpaid.

Double.

BARONESS ROTHSCHILD—Similar to Princess of Wales, but blooms more freely.

CALIFORNIA—Very showy flowers of enormous size, deep violet blue; deliciously fragrant.

PRINCESS OF WALES—Gigantic flowers, of a very rich shade of blue, extremely fragrant.

LADY HUME CAMPBELL—Beautiful light blue, very free-blooming, exquisitely fragrant.

MARIE LOUISE—A constant bloomer, producing large flowers, lovely deep violet purple.

SWANLEY WHITE—The finest and best double white violet in cultivation.

Oriental Poppy

The most brilliant and gorgeous of all garden plants; is hardy and succeeds well in any good garden soil, blooming in May and June, they are dormant thereafter until cool weather. We offer two rare and beautiful new sorts, besides the standard red type and hybrids.

Price each, 25c; doz. \$2.50

MAHONY—A magnificent flower of the darkest richest color yet known in a poppy, almost a true dark mahogany. Large, free-blooming; a splendid companion to Salmon Queen.

PERRY'S WHITE—A splendid novelty of the greatest merit. Pure satiny white with brilliant crimson marking at base of petals.

SALMON QUEEN—Rich salmon-pink with coppery orange suffusion; deepest purplish black center and markings. A rare and splendid flower of largest size; vigorous and free blooming.

ORIENTAL POPPY—Red. The old time favorite.



WE offer a splendid list of Ferns, including some of the newest varieties as well as the older sorts. Florists wishing stock of the new varieties write for prices.

Nephrolepis or Boston Ferns

Price small plants, 25c; from 4 in. pots, 60c; 5 in. \$1.25, postpaid.

Specimen plants, \$1.50 to \$3.00, F. O. B. Portland.

N. AMERPOHLII—"Lace Fern," beautiful and attractive "sport" from the Boston Fern. Is finely "crested"; has fluffy lace-like appearance.

BOSTON FERN—This is the original and well known type of "Sword Fern."

TEDDY JUNIOR—New Dwarf Fern. A sport from the famous Roosevelt Fern. Compact in form, and a rapid grower, producing about four times as many fronds as any other fern.

N. ROOSEVELT—Resembles Boston Fern, produces more fronds, making a bushier plant.

SCOTT FERN—(*Nephrolepis Scottii*)—Identical with the original Boston type, but is dwarfed with a more compact and bushy habit of growth.

OSTRICH PLUME FERN—(*Nephrolepis Whitmani*)—Beautiful new sport from the well known Boston Fern.

New and Popular Ferns

ASPARAGUS SPRENGERII—(Emerald Feather)—Handsome evergreen trailing plant; its beautiful sprays of lovely green, feathery foliage can be cut freely.

Nice plants, each 20c; large plants, 35c to 50c

CYRTOMIUM ROCHFORDIANUM—Foliage of a rich deep glossy green color; and wavy leaflets are deeply cut or toothed; valuable for a dish fern.

Prices: Small Plants, 25c; from 4-inch pots, 60c, postpaid.

ASPARAGUS PLUMOSUS—(Climbing Lace Fern)—A finer and more delicate plant than the Sprengeri, but hardy and easily grown.

Nice plants, each 20c; large plants, 25c to 30c

MAIDEN HAIR—(*Adiantum Croweanum*)—Very valuable to florists for cutting, grows freely under almost any condition inside.

Good plants from 4-inch pots, \$1.00 postpaid

FOR FERN DISHES—Attractive assortments, sufficient for 5 to 6-inch pans.

75c to \$1.00, postpaid

SPECIAL—Six Fine Table Ferns for \$1.25

Price 25c each, 6 sorts for \$1.25. Extra large plants, 40c each, postpaid.

ADIANTUM CUNEATUM—Maiden Hair Fern. A very beautiful and graceful fern.

ASPIDIUM TSUSSIMENSE—Valuable for fern dishes; of dwarf graceful habit.

BOSTON FERN—See description above.

CYRTOMIUM FALCATUM—(The Holly pteris fern). Hardy, dark green foliage.

PTERIS CRETICA ALBO-LINEATA—A pretty and useful variegated variety.

OSTRICH PLUME—See description above.

PRIMROSES

PRIMROSES, NEW GIANT OBCONICA—

A lovely perpetual blooming primrose. The crisp green leaves spring up luxuriantly amid which appear, all season through, stout little stalks, each surmounted by a pretty cluster of lavender-pink flowers several inches across. One of the finest winter blooming house plants for a cool room.

Price, 20 cents each. Larger plants, 35 and 50 cents each. Add 10c if postpaid.

PRIMROSES, CHINESE FRINGED—These

are easily grown in a cool room, delighting in a light sandy soil. The flowers are fringed, of fine size, produced in trusses well above the fresh lively green foliage which of itself is very handsome. Can be supplied in three colors, red, pink, white.

Price, 20 cents each. Larger plants, 35 and 40 cents each. Add 10c if postpaid.

PALMS AND ORNAMENTAL PLANTS

PALMS lend their surroundings an atmosphere of elegance and completeness, and with proper care will thrive in any home, making the most magnificent and useful decorative plants.

CARE OF PALMS—Good garden loam, with a little sharp sand, is the best soil for palms, and good drainage is of first importance—do not keep a palm too wet. If you set the pot in a jardiniere put something under the pot to let the water drain through. Never let the water stand around the bottom of the pot. Water thoroughly, but let it drain off, then when the soil begins to look dry give another good wetting. It is important to keep the soil of any pot plant moist—clear through—but not wet like mud. One other important point: Soil must have light; palms and some plants would do well without strong light, but the soil would soon sour and fail to nourish them, therefore, when not actually in use keep them as near the windows as possible, but not in the hot sun.

Bone meal is the best fertilizer; a tablespoonful to a 7-inch pot is a good portion. Dig well into the soil. Apply when new growth shows. Do not repot as long as they are doing nicely. And when you do, transfer gently to the larger pot and fill the soil around the roots, disturbing them as little as possible. Palms do best in comparatively small pots. Shower them with water twice a week and should they show signs of scale, wash with strong soap and water or kerosene emulsion (a pound of soap melted with a half pint of kerosene thoroughly stirred into it). Dilute this with ten parts of water and apply with a cloth or brush.

PHOENIX ROEBELII—A new and graceful miniature "Phoenix" fully equaling in beauty the Cocos Weddeliana, hardy as the Kentia. Of vigorous, bushy growth.

Choice plants, from 6-inch pots, \$2.00 to \$4.00

KENTIA BELMOREANA—A beautiful, strong growing Palm with deep green, crisp foliage; inclined to dwarf and spreading habit; one of the most popular for house culture, as they are very hardy.

Small plants, \$1.00. Large plants, 18 inches up, \$1.50 to \$5.00 and up.

COCOS WEDDELIANA—The most graceful of all Palms; finely cut foliage of rich deep green; we have fine plants of this most desirable Palm, well established in 4-inch pots, 5 to 7 leaves. **Each 75c. Nice specimen plants, \$2.50 up**



Aspidistra

Ornamental foliage, plant throwing up shoots which unfold, developing into long, graceful leaves; color a beautiful dark glossy green; give same treatment as hardy palm.

VARIEGATED—Rich, creamy markings.

\$2.50 up

Parrots Feathers

Produces long trailing sprays of lovely green, finely cut foliage set in symmetrical whorls; plant in a water tight vase or hanging basket, keeping water standing over the soil surface.

Good roots, each 25c; doz. \$2.50

Umbrella Plant

CYPHERUS—(*Alternifolia*)—A splendid house plant of easy culture; resembles a palm; requires little or no attention, and remains green throughout the year. Keep well watered.

Plants, postpaid, each 25c to \$1.00

Dracaenas

D. INDIVISA—This is the popular hardy Dracaena that is used so extensively for centers of vases, baskets, boxes, etc. Of graceful form, and stands full exposure to sun.

4-inch pots 50c; 5-inch pots \$1.00

Rubber Plant

FICUS ELASTICA—This is certainly one of the best plants grown for decorative purposes; it succeeds well with ordinary treatment. **Large plants, each, \$1.50 to \$2.50**

WINTER-BLOOMING POT PLANTS

PERSIAN CYCLAMEN, GIANT FLOWER-ED—There is probably no more ornamental flowering plant for greenhouse or parlor culture than the Cyclamen. Circular fleshy leaves of a rich metallic green variously marked with silvery stripes. The flowers appear at the approach of cool weather and continue blooming throughout the winter. Colors, red, pink and white.

Price, 35 cents each; larger plants, 50 cents each, postpaid.

GENISTA RACEMOSA—Shower of Gold plant. Its pendent-shaped flowers literally smother the plant during the spring months, while at other times its graceful dark green foliage makes a very ornamental subject for home decoration. One of the easiest plants to grow.

Each 35c; larger plants 75c; add 10c if postpaid.

DIAMOND PLANT FOOD for Palms and Pot Plants. $\frac{1}{2}$ lb. pkg. 35c; 1 lb. 50c. Postpaid



DIAMOND QUALITY ROSES are large, sturdy, two-year-old, field-grown roses that will give you splendid flowers the first season. They are true to name and our list includes the best of the well known popular varieties, the most meritorious of recent novelties and the Gold Medal roses of famous European growers.

Planting and Care

In our favored section, roses attain a perfection seldom equaled, but you cannot expect them to thrive and bloom unless you care for them. We offer the following simple suggestions.

SOIL—Any good, well-drained garden soil, enriched with fertilizer, will give excellent results. If heavy clay soil mulch well with burnt earth and manure, rotted sod or leaf mold.

FERTILIZER—Our odorless fertilizer, Bone Meal, Tankage of Blood, will give excellent results and should always be applied after the plants start their growth.


WATERING—When setting out, water regularly until roots are well set; then about once a week unless the ground is very dry; in such cases more often. Do not get the foliage wet after a hot day. This causes mildew.

FINALLY—Keep the surface well worked around the plants. This is as necessary as water or fertilizer. When planting cut back freely, and the bush will recover quickly.

SHIPPING—We always send all our two-year-old rose bushes charges collect by express or freight, packing them so they will carry safely even though they should be on the road for two weeks or more.

If necessary, we can send small two-year-old bushes by mail at an additional cost to cover postage, but in such cases we always prune the tops and roots ready for planting.

PRICES—50c roses \$5.00 doz.; 60c roses \$6.00 doz.;
75c roses \$8.00 doz.; \$1.00 roses \$10.00 doz.

 We offer a splendid assortment of popular roses and the best of the new ones, and can secure any variety in commerce, TRUE to NAME.

12 Superb New Garden and Exhibition Roses

Fine 2-year Dormant Plants, not prepaid, \$1.00; \$10.00 per doz. unless otherwise priced.

COUNTESS CLANWILLIAM—(H. T.)—A distinct and charming rose, producing flowers in great abundance. Color delicate peach pink, petals flamed and edged with deep cherry red. Long pointed buds opening to large full flowers. Of strong, vigorous habit.

DUCHESS OF SUTHERLAND—(H. T.)—Delicate warm rose pink with lemon shading on white base. Flowers are large, full and conical with unusually large petals and possess a delicious sweet briar perfume. A splendid exhibition and garden rose.

HADLEY—(H. T.)—Color beautiful rich bright red. Very free and constant. A shapely, graceful bud and flower. One of the most charming and distinctive red roses.

H. V. MACHIN—(H. T.)—A splendid exhibition variety. Color, intense scarlet crimson. Well formed flowers of immense size.

LADY MARY WARD—(H. T.)—Free, vigorous and hardy, color rich orange, shaded deeper orange with metallic veneering.

LOS ANGELES—Described by the originator as "a flame pink toned with coral and shaded gold at base of petals." Buds long, pointed and lasting. The flowers are very large and the beauty of coloring does not fade. Flowers profusely all season on strong shoots. The foliage is a rich, luxuriant glossy green. Two-year field grown plants. Everyone should have Los Angeles. **Each \$1.50**

TIPPERARY—Beautifully formed buds of a bright canary yellow, produced with great freedom. A fine new Irish rose with all the requisites of a good garden and decorative variety.

BEAUTIFUL ROSES OF RECENT INTRODUCTION

The following are the recent novelties and Gold Medal roses that have proven their merit and are now generally in great demand.

Fine 2-year Dormant Plants, not prepaid, 75c; \$8.00 per doz.

ADMIRAL WARD—(H. T.)—A fine bedding variety of vigorous growth and erect branching habit. Spherical blackish red bud opening to large full globular flowers of crimson red with shadings of fiery red and velvety purple.

AUGUSTUS HARTMAN—H. T.—Large, well formed flowers, with high pointed center. Is perfectly distinct in color, being a brilliant geranium red flushed with orange. The stout stems make it an ideal rose for exhibition. Foliage not susceptible to mildew.

***COUNTESS OF SHAFESBURY**—(H. T.)—Bright, silvery carmine, mottled and flushed shell pink. Profuse bloomer.

DUCHESS OF WELLINGTON—(H. P.)—Intense saffron yellow stained with rich crimson which, as the flower develops, becomes deep coppery saffron yellow. Delightfully fragrant.

GORGEOUS—Strong, vigorous growing with handsome olive-green foliage. Flowers very large, finely formed, produced freely on stout canes. Color deep orange-yellow, heavily veined with reddish copper.

HARRY KIRK—(H. T.)—Deep sulphur-yellow passing to a lighter shade at the edge of petals. Robust growth; free branching habit.

HOOSIER BEAUTY—Crimson scarlet with darker shadings, velvety texture. Bud long and pointed. deliciously fragrant.

HUGO ROLLER—(T.)—Medium sized flowers of good form, very freely produced. Color rich lemon yellow with crimson suffusion on edge of petals.

KING GEORGE V—Large full flowers of rich blackish crimson with deep velvety violet flush.

LADY HILLINGDON—(T.)—Deep apricot yellow, long and pointed bud. Flowers are of good substance and very lasting. Foliage luxuriant. A fine forcing or garden rose, excellent for cutting.

LE PROGRESS—(H. T.)—Nankeen yellow, opening to saffron yellow; large and full.

LOUISE CATHERINE BRESLAU—(H. T.)—Coral red, shaded chrome yellow, opening to a flower of shrimp pink, shaded coppery orange.

***LYON**—(Pernetiana)—Beautiful shrimp pink with salmon and chrome yellow shadings. Large, coral red buds, beautifully formed. A continuous and free bloomer.

MADAME MELANIE SOUPERT—(H. T.)—Splendid new orange yellow shaded pink; beautiful, long-pointed buds. Best of its color.

MARQUIS DE SINETY—(H. T.)—Deep saffron yellow, flushed reddish copper. Flower large, beautiful dark foliage.

A splendid gift Rose that your friends will appreciate



Los Angeles

MELODY—(H. T.)—Intense deep saffron yellow with primrose edges. Blooms medium size, very fragrant and freely produced.

MADAME PHILLIPPE RIVOIRE—(H. T.)—Beautiful apricot yellow and Nankeen yellow center, reverse of petals carmine; large and full.

MAD. EDOUARD HERRIOTT—The famous winner of the Daily Mail Prize. The color being terra-cotta bronze and geranium red, a new combination of colors in rose.

MAD. RAVARY—(H. T.)—Clear orange yellow. Long pointed buds; flowers of fine form.

MRS. FOLEY HOBBS—(T.)—Immense flowers of ivory white, delicately tinged pink on edge of petals. A great bedding rose.

***RAYON D'OR**—(Pern)—Long, pointed buds of deep orange-cadmium smeared claret, opening to a rich sunflower yellow. Foliage is deep, glossy green; and free from mildew.

RED LETTER DAY—(H. T.)—An exceedingly beautiful semi-double rose of velvety brilliant scarlet crimson. Flowers are medium size, curiously cactus-shaped and do not blue or burn. Vigorous, erect, free blooming.

SOUVENIR OF STELLA GRAY—(T.)—Deep orange veined with shades of salmon and crimson. A finely formed full flower of lasting quality. Delightfully fragrant. An ideal buttonhole rose.

GRAND GARDEN ROSES

In this list you will find many famous prize winners and some of the most beautiful and popular roses.
Two-year-old plants, not prepaid, 60c each.



KAISERIN AUG. VICTORIA—(H. T.)—Elegant, large pointed buds; large, full double flowers; color delicate creamy white; fragrant.

LADY ROBERTS—(T.)—Rich apricot, base of petals coppery red, edges shaded orange.

MAD. SECOND WEBBER—(H. T.)—Pure, rosy salmon, vivid center, large, full and perfectly formed flower, flowering freely and continuously on stiff erect stems.

MILDRED GRANT—(H. P.)—Delicate pale pink, shading to silvery white in center; grand giant variety; rare beauty; pointed buds.

MISS ALICE DE ROTHCHILD—(T.)—Beautiful, shapely buds of rich golden yellow of the Mareshal Neil type. Holds its color well.

MRS. AARON WARD—(T.)—A deep golden orange color shading out to lemon or creamy yellow at the edge of the petals. One of the most beautiful roses in existence.

MRS. ALFRED TATE—Fine decorative variety with medium sized, well formed flowers. Color coppery red, shaded fawn. Blooms freely.

***MRS. CORNWALLIS WEST**—(H. T.)—Large flowers of rosy shell pink, changing to pure white with age. Growth vigorous and erect.

***MRS. DAVID MCKEE**—(H. T.)—Creamy yellow, large, full and free. Best of its color

OLD GOLD—(H. T.)—Medium sized flowers of a vivid reddish orange color with coppery red and coppery apricot shadings. A splendid garden rose.

OPHELIA—(H. T.)—Orange salmon buds, opening to flowers of dainty pink. The foliage is clean, dark and leathery—growth vigorous and free, producing long canes. Blooms early and continuously.

PERLE VON GODESBERG—(H. T.)—A sport from Kaiserin Augusta Victoria having the charming grace of this old time favorite. Rich creamy yellow, very fragrant and free blooming. A splendid pot rose.

SOUV. DE PIERRE NOTTING—(T.)—Very large; elegant form; has a beautiful long bud; color, orange yellow, bordered in carmine rose.

SUNBURST—(H. T.)—The finest of all yellow roses with long pointed buds. Color a superb Cadmium yellow with orange yellow center. The foliage is a handsome bronze green.

VISCOUNTESS FOLKESTONE—(H. T.)—Color, delicately tinted flesh, almost white, with beautiful satin finish; strong stems.

BETTY—(H. T.)—Beautiful coppery rose color, overspread with golden yellow. Fragrant.

EDWARD MAWLEY—(H. T.)—Long pointed buds of deep, rich, velvety crimson. Growth is upright and branching with handsome foliage. One of the finest red roses.

FRANZ DEEGAN—(H. T.)—This beautiful yellow is a fine grower, having the good habit of throwing up numerous heavy canes.

GEORGE DICKSON—(H. T.)—Very strong and vigorous; velvety blackish crimson, with back of petals heavily veined with pure crimson maroon. Delightfully scented.

JONKHEER J. L. MOCK—(H. T.)—Inside of petals red, outside silvery blush white. Rapid grower.

JOSEPH HILL—(H. T.)—Salmon pink shaded yellow. Outside petals yellow suffused copper.

Portland Seed Co.'s "Diamond" Fancy Lawn Mixture

Our "Diamond Quality" Fancy Mixed Grass Seed is prepared from the choicest re-cleaned grass seeds that have been carefully selected for their fineness and deep rooting, close growing habits and seasonable qualities, producing an ideal dense, velvety turf of lasting quality that remains green throughout the year.

Price, per lb., 50c postpaid; freight or express, per lb., 40c; 10 lbs., \$3.70.

Sow one pound to 400 square feet, 12 to 15 pounds to a 50-foot lot.

 Write us for Special Mixtures for Terraces, Shady Places, Dry or Wet Land

FAVORITE GARDEN AND EXHIBITION ROSES

A choice collection of the best standard varieties, "tried and true, sure to give satisfaction.

Two-year field grown plants not prepaid, 50c—doz. \$5.00, except as noted.

- AMERICAN BEAUTY**—(H. P.)—One of the largest, sweetest and best; rich rosy crimson, shaded and veined in a most charming manner.
- AVOCA**—(H. T.)—Deep scarlet crimson flowers of perfect form; very fragrant.
- BESSIE BROWN**—(H. T.)—Creamy white; large, full, of very fine form. An exhibition rose.
- BELLE SIEBRECHT**—(H. T.)—A true, solid pink of the richest shade, a rare color. The flowers are sweetly perfumed, and large beautifully formed, of long, tapering shape, with high center, and when half blown the petals reflex in a graceful manner.
- BRITISH QUEEN**—(H. T.)—Pure white, large, full flowers, opening freely. One of the best white roses for bedding and cutting.
- COUNTESS OF GOSFORD**—(H. T.)—Clear salmon pink, base of petals shading to saffron yellow, very vigorous; perpetual bloomer.
- DEAN HOLE**—(H. T.)—Beautiful silvery carmine, shaded bright golden pink. Free bloomer.
- DOROTHY PAGE ROBERTS**—(H. T.)—Coppery pink, suffused with apricot yellow, very free and perpetual, a delightful garden rose.
- ETIOLE DE LYON**—(T.)—Sweet scented; color, rich golden yellow; blooms freely.
- FLORENCE PEMBERTON**—(H. T.)—Creamy white, suffused pink. Very large and full.
- GENERAL MCARTHUR**—(H. T.)—Dazzling crimson scarlet; delicious perfume and magnificent foliage. Blooms in great profusion.
- GRUS AN TEPLITZ or VIRGINIA R. COXE**—(H. T.)—Color fiery crimson, with a dark velvety sheen, very fragrant. Free blooming.
- HUGH DICKSON**—(H. P.)—Glowing crimson-shaded scarlet. A strong grower and perpetual bloomer (should be cut back freely).
- *JULIET**—(H. B.)—A wonderful combination of old gold on the outside of petals and a rich rosy red on the inside. Flowers large, full and delightfully scented.
- J. B. CLARK**—(H. T.)—Flowers are intense scarlet shaded blackish crimson, of giant size, finely formed and fragrant; growth vigorous.
- KILLARNEY QUEEN**—A sport from the well known Killarney but a much more robust grower, producing fine, large, nice formed buds of a deep rich rose color, lightened towards edge of petals. Very strong growing, remarkably strong canes of great length. A fine garden rose.
- LADY ALICE STANLEY**—(H. T.)—Large, full flowers of lovely, deep coral, inside pale flesh. A free grower and a profuse bloomer.
- LA DETROIT**—(H. T.)—A beautiful shell-pink shading in center to soft rose pink. Reverse of outer petals creamy-flesh tint, strong grower.
- LADY ASHTOWN**—(H. T.)—One of the finest pinks of a rich, deep, silvery tone; flowers large.
- LADY BATTERSEA**—(H. T.)—Long, oval buds, sharply pointed; bright, cherry crimson.
- LA FRANCE**—(H. T.)—A silvery rose, changing to pink. A general favorite. Sweetest of all roses.
- MAD. ABEL CHATENAY**—(H. T.)—Color beautiful rosy carmine, with darker shadings.
- MAMAN COCHET**—(T.)—Color is a deep rosy pink, the inner side of the petals silvery rose.
- MME. LEON PAIN**—(H. T.)—A silvery flesh with yellowish orange center; large and full.
- MADAME CAROLINE TESTOUT**—(H. T.)—Bright satiny pink; very fragrant and free in bloom. The official "Carnival Rose."
- MRS. DAVID JARDINE**—(H. T.)—Delightful shade of bright, rosy pink, shading in outer petals to salmon pink; large, highly perfumed.
- MRS. JOSEPH H. WELCH**—Very large deep flower with reflexed petals. Color brilliant rose-pink. A splendid exhibition variety.
- MRS. R. G. SHARMAN CRAWFORD**—(H. P.)—Lovely deep rose pink, outer petals shaded pale flesh, base white. Large flowers.
- MY MARYLAND**—(H. T.)—Beautiful, bright pink, with paler edges; fragrant; robust grower.
- PAPA GONTIER**—(T.)—A vivid cherry red color, shaded yellow, reverse of petals crimson.
- PERLE DES JARDINS**—(T.)—A clear, golden yellow, an indescribably rich, beautiful shade.
- PRINCE DE BULGAIRE**—(H. T.)—Very vigorous grower, with large, bright green foliage. Outer petals are extremely large, of superb rosy flesh color; bright red center.
- PRES. W. R. SMITH**—(T.)—(Maidenblush)—Elegantly shaped buds and open flowers of exquisite silvery pink color; sweetly perfumed.
- RADIANCE**—Long, straight canes with handsome foliage each terminating in a large full flower of globular form of great sweetness. Color rich bright cerise, entirely distinct from any other known variety.
- RICHMOND**—(H. T.)—Vivid red buds and flowers of the most perfect and desirable form.
- SOUV. DE PRESIDENT CARNOT**—(H. T.)—Lovely shell-pink, delicately tinted with gold fawn on rich creamy white. Superb for bedding.
- WHITE KILLARNEY**—(H. T.)—Long pointed buds of purest white and heavy wax-like texture opening to large full flowers; very lasting.
- WHITE LA FRANCE**—(H. T.)—This magnificent rose is a pure white La France, having just a breath of rose-tinted blush.
- WHITE MAMAN COCHET**—(T.)—Immense size, exquisitely fragrant; long, pointed buds.
- WINNIE DAVIS**—Fine apricot pink shading to the flesh tint at base of petals. A grand hardy garden rose.

Finest Hardy Perpetual Roses

FOR Eastern Oregon and Washington or in sections where the winters are severe, this collection will thrive and bloom freely where the Tea and Hybrid Tea roses would not prove satisfactory.

Two-year-old plants, not prepaid, 50c each; \$5.00 per doz.



Frau Karl Druschki

MRS. JOHN LAING—(H. P.)—A soft, delicate pink, with satiny tinge; very free flowering.

PRINCE CAMILLE DE ROHAN—(H. P.)—Dark, rich, velvety crimson, passing to intense maroon, shaded black; best of its color.

PAUL NEYRON—(H. P.)—Deep, shining rose, blooms freely, the largest variety in existence.

BARONESS ROTHSCHILD—(H. P.)—Flowers of immense size; color bright rosy pink.

CAPTAIN HAYWARD—(H. P.)—Immense flowers in great freedom, sweetly scented. Color deep glowing red shaded crimson.

CONRAD F. MEYER—(Rug.)—Beautiful silvery pink, very hardy, its handsome foliage makes it most valuable for a flowering hedge.

FRAU KARL DRUSCHKI—(H. P.)—The white American Beauty. Makes splendid buds and immense flowers; perfectly double.

GLOIRE LYONNAISE—(H. P.)—Color, chamois yellow, deepest at the center, passing to creamy white; large, full, sweet, very distinct.

GENERAL JACQUEMINOT—(H. P.)—Bright, shining crimson; very rich and velvety.

HUGH DICKSON—(H. P.)—Glowing crimson-shaded scarlet. A strong grower and perpetual bloomer (should be cut back freely).

MABLE MORRISON—(H. P.)—Of purest velvety white; very double and rounded.

PINK DRUSCHKI—(Geo. Arends)—(H. P.)—Moderately large full flower of beautiful bright pink. Is of free flowering habit and highly perfumed. Considered the best of the so-called pink Druschki.

ULRICH BRUNNER—(H. P.)—Extra large, bold flowers, full and globular; color, rich, glowing crimson, elegantly flamed with scarlet.

Baby Rambler or Dwarf Polyanthus Roses

Two-year old plants, not prepaid, 50c each.

BABY RAMBLER—(Dwarf Bush Type)—Not over 18 inches high, producing large trusses of light crimson flowers; clean dark green foliage.

PINK BABY RAMBLER—(Mrs. W. Cutbush)—Clusters of pretty double bright pink flowers; freely produced in panicles; always in bloom.

CECILE BRUNNER—Bright, rose, yellowish in center; very sweet; dwarf polyanthus.

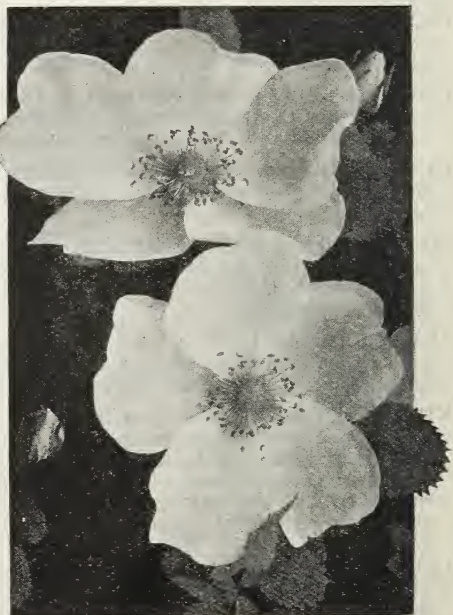
Single Roses

AUSTRIAN COPPER—(A. B.)—A beautiful single rose of bright reddish copper. Each 50c

IRISH ELEGANCE—(S.)—Large, single, golden bronze flowers of great beauty, free and constant bloomer, with deep bronze foliage. Each 50c

IRISH FIREFLAME—(S.)—Deep orange splashed crimson, changing to fiery orange crimson; buds hold shape long time. Each 60c

IRISH SIMPLICITY—(S.)—Almost single; pure white, of immense size, with golden yellow anthers resembling a huge water lily. Ea. 60c



Single Roses

DIAMOND LAWN AND ROSE FERTILIZER worked into the top soil early in the season—about a handful to each established plant—will produce a vigorous growth, more and better roses. See Page 46

Climbing and Pillar Roses

Two-year-old bushes, field grown, not prepaid, 50c ea.; doz. \$5.00 (except as noted.)

AARD'S PILLAR—Rich velvety crimson; fine large, full flower, cupped form; a fine, hardy, free-blooming, free-growing garden rose.

AMERICAN PILLAR—(WICH)—A beautiful bright pink with yellow anthers.

BEAUTY OF GLAZENWOOD—Bronzed yellow or copper and fawn color. Hardy and free.

CLI. AMERICAN BEAUTY—Rich crimson color; delightful fragrance; very free bloomer.

CLIMBING BELLE SIEBRECHT—(C. H. T.)—Flowers identical with bush type; vigorous climber; hardy.

CLIMBING CECIL BRUNNER—Clusters of pretty pink flowers, especially beautiful in bud.

CLIMBING KAISERIN (Mrs. Robert Peary)—Flowers large, ivory white, of heavy texture.

CLIMBING LADY ASHTOWN—Vigorous climbing sport of this valuable rose. Each 60c

CLI. MADAME CAROLINE TESTOUT—Immense globular flowers of the same beautiful shade of pink as seen in the bush sort.

CLI. SUNBURST—A splendid climber of the same beauty and freedom of bloom as the bush form of this popular rose. Each \$1.00

CLIMBING METEOR—Rapid grower; rich, dark, velvety crimson flowers. Each 60c

DUCHESS D'AUERSTADT—Fine rich yellow, flowers are large, full and open freely. Ea. 75c

GAINSBOROUGH—Graceful flower of dainty shell-pink color and satiny finish. Very hardy.

GLOIRE DE DIJON—Free flowering; delicate tea scent; color a blending of amber.

SILVER MOON—Magnificent large white semi-double blooms of good substance with golden stamens. Flowers are carried on long stems. Foliage is abundant, delightfully fragrant, of a bronze green color and is immune to mildew.

MADAME ALFRED CARRIERE—Full flowers, very double and sweet; color rich creamy white, faintly tinged pale yellow and blush.

MARECHAL NEIL—A magnificent deep golden yellow variety; so famous as to need no description; finest of its color. Each 75c

CLIMBING PAPA GONTIER—(T.)—A "Native Sport" from this favorite variety. Each 60c

PILLAR OF GOLD—Rich golden yellow suffused copper and pink. Flowers are full, of fine form and delightfully fragrant. They are borne freely in clusters of from 5 to 10.

PINK CHEROKEE—Lovely single blossoms 3 to 5 inches in diameter, saucer shaped and of a beautiful shade of light pink.

REVE D'OR (Climbing Safrano)—Color apricot yellow, with orange and fawn tints; petals of superb and delicate texture. Ea. 60c

WHITE CHEROKEE—Strong erect grower. Large pure white flowers borne profusely.

DR. VAN FLEET—Large, fully double blooms of a dainty flesh pink with rosy center. Flowers of perfect form with reflex petals and are carried on long stems, making this a desirable variety for cutting. Foliage is luxuriant bronze green.

The Popular Rambler Roses

The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in one season.

2-year-old plants, not prepaid, 50c each; doz. \$5.00 (except as noted).

FLOWER OF FAIRFIELD—Brilliant crimson, base of petals white; a splendid grower and a great improvement over the old type.

PHILADELPHIA RAMBLER—An improved type of the favorite Crimson Rambler; color deeper and more brilliant; flowers double.

VEILCHENBLAU (Blue Rambler)—Large trusses of semi-double flowers, opening pink, but quickly change to a violet, or steel blue.

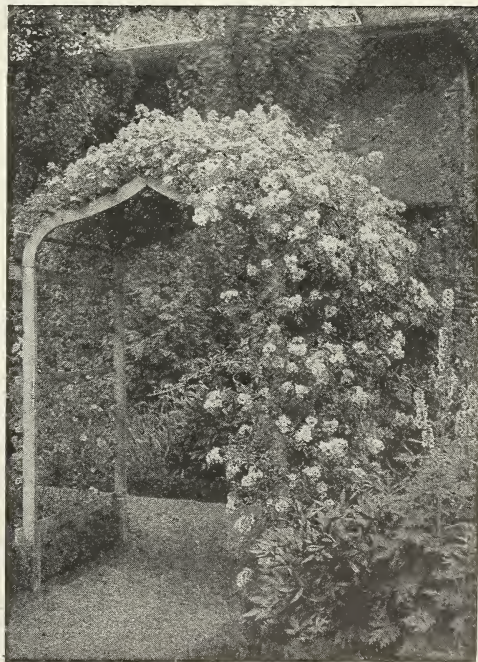
DOROTHY PERKINS—Polyanthus type; a beautiful bright shell-pink; large double flowers.

RED DOROTHY PERKINS—Fine crimson rambler; glossy green foliage; never troubled with mildew. Flowers very double.

TAUSENDSCHON—A lovely shade of soft pink, free and vigorous; splendid foliage. Ea. 60c

YELLOW RAMBLER—Pure, bright yellow; same type and growth as Crimson Rambler.

WHITE DOROTHY—A sport from Dorothy Perkins, possessing all the fine qualities of that grand variety, but having pure, white flowers.



DIAMOND LAWN GRASS MIXTURE makes an evergreen velvety turf. Special mixtures to order.

STANDARD, OR TREE ROSES



*"How to
Grow
Roses"*

*Free on
Request*

Tree roses are budded or grafted on hardy rose stocks about four feet high. They soon make good size heads, forming a small tree; desirable for planting as single specimens, in backgrounds or rows along walks or driveways.

Order any color you wish and we will send a variety that will please you.

PRICE: Tree or Standard Roses, \$2.00 to \$2.50 each, according to size of head.

Foster Rose Tubes

For Rosarians and Cut Flower Exhibitors
FOR SHOWING ROSES

The Foster Exhibition tubes with adjustable clips, enable you to transfer flowers from one position to another without disturbing their arrangement. A wire holds the flower firmly in any desired position. Tubes afford an ample supply of water close to the rose. Used at all English shows.

Price, each 25c; doz. \$2.75



ALPHABETICAL LIST OF ROSES

| Price | Page | Price | Page | Price | Page |
|---------------------------------|------|---------------------------------|------|--------------------------------|------|
| Admiral Ward.....\$.75 | 21 | Hugh Dickson.....\$0.50 | 24 | Mrs. John Laing.....\$0.50 | 24 |
| American Beauty......50 | 23 | H. V. Machin.....1.00 | 20 | Mrs. Joseph H. Welch......50 | 23 |
| Augustus Hartman......75 | 21 | Irish Elegance......50 | 24 | Mrs. R. G. S. Crawford......50 | 23 |
| Austrian Copper......50 | 24 | Irish Fireflame......60 | 24 | Mabel Morrison......50 | 24 |
| Avoca......50 | 23 | Irish Simplicity......60 | 24 | Maman Cochet......50 | 23 |
| Baby Ramblers......50 | 24 | J. B. Clark......50 | 23 | Marquis de Sinety......75 | 21 |
| Baroness Rothschild......50 | 24 | Jonkheer J. L. Mock......60 | 22 | Melody......75 | 21 |
| Belle Siebrecht......50 | 23 | Joseph Hill......60 | 22 | Mildred Grant......60 | 22 |
| Bessie Brown......50 | 23 | Juliet......50 | 23 | Mme. Leon Pain......50 | 23 |
| Betty......60 | 22 | Kais. Aug. Victoria......60 | 22 | My Maryland......50 | 23 |
| British Queen......50 | 23 | Killarney Queen......50 | 23 | Old Gold......60 | 22 |
| Capt. Hayward......50 | 24 | King George V......75 | 21 | Ophelia......60 | 22 |
| Cecile Brunner......50 | 24 | Lacy Alice Stanley......50 | 23 | Papa Gontier......50 | 23 |
| Cli. Roses..... | 25 | Lady Ashtown......50 | 23 | Paul Neyron......50 | 24 |
| Conrad F. Meyer......50 | 24 | Lady Battersea......50 | 23 | Perle des Jardins......50 | 23 |
| Countess Clanwilliam.....1.00 | 20 | Lady Hillingdon......75 | 21 | Perle von Godesberg......60 | 22 |
| Countess of Gosford......50 | 23 | Lady Mary Ward.....1.00 | 20 | Pink Druschki......50 | 24 |
| Countess of Shaftesbury......75 | 21 | Lady Roberts......60 | 22 | Pres. W. R. Smith......50 | 23 |
| Dean Hole......50 | 23 | La Detroit......50 | 23 | Prince de Bulgaire......50 | 23 |
| Dorothy Page Roberts......50 | 23 | La France......50 | 23 | Prince C. de Rohan......50 | 24 |
| Duchess of Sutherland.....1.00 | 20 | Le Progress......75 | 21 | Radiance......50 | 23 |
| Duchess of Wellington......75 | 21 | Louise Cath. Breslau......75 | 21 | Rayon D'Or......75 | 21 |
| Edward Mawley......60 | 22 | Lyon......75 | 21 | Rambler Roses..... | 25 |
| Etoile de Lyon......50 | 23 | Los Angeles.....1.50 | 20 | Red Letter Day......75 | 21 |
| Florence Pemberton......50 | 23 | Mad. Abel Chantenay......50 | 23 | Richmond......50 | 23 |
| Franz Deegan......60 | 22 | Mad. Car. Testout......50 | 23 | Souv. de P. Notting......60 | 22 |
| Frau K. Druschki......50 | 24 | Mad. Edouard Herriott......75 | 21 | Souv. de Pres. Carnot......50 | 23 |
| Gen. Jacqueminot......50 | 24 | Mad. Melaine Soupert......75 | 21 | Souv. de Stella Gray......75 | 21 |
| Gen. McArthur......50 | 23 | Mad. Phillippe Rivoire......75 | 21 | Sunburst......60 | 22 |
| George Dickson......60 | 22 | Mad. Ravary......75 | 21 | Tipperary.....1.00 | 20 |
| Gloire Lyonnaise......50 | 24 | Mad. Second Webber......60 | 22 | Tree Roses..... | 26 |
| Gorgeous......75 | 21 | Miss Alice de Rothchild......60 | 22 | Ulrich Brunner......50 | 24 |
| Gruss an Teplitz......50 | 23 | Mrs. Alfred Tate......60 | 22 | Viscountess Folkestone......60 | 22 |
| Hadley.....1.00 | 20 | Mrs. Aaron Ward......60 | 22 | White Killarney......50 | 23 |
| Harry Kirk......75 | 21 | Mrs. Cornwallis West......60 | 22 | White La France......50 | 23 |
| Hugo Roller......75 | 21 | Mrs. David Jardine......50 | 23 | White Maman Cochet......50 | 23 |
| Hoosier Beauty......75 | 21 | Mrs. David McKee......60 | 22 | Winnie Davis......50 | 23 |
| | | Mrs. Foley Hobbs......75 | 21 | | |



Ornamental Climbing Vines

Clematis

Clematis is one of the most beautiful and useful climbers. Their magnificent flowers, borne in great profusion in beautiful shades of lavenders, purples, reds and white, make them especially attractive. Clematis requires a rich loamy soil, but manure should not touch the roots. Cut out the weak and surplus branches in the spring, and tie the vine up well to its support.

VILLE DE LYON—Red.

HENRY VI—Fine, large, creamy white flowers; a strong grower and very hardy.

JACKMANII—Intense violet purple, with a rich velvety appearance; distinctly veined.

Choice plants of above sorts, each 60c
Large plants, each 75c to \$1.00, postpaid

CLEMATIS PANICULATA—A rapid and vigorous grower; it produces sheets of medium-sized, pure white flowers of the most pleasing fragrance; well adapted for covering trellises or fences.

Choice plants, each 35c to 40c; large, 50c to 60c.

Honeysuckle

BELGIAN—Flowers yellow, blotched with red above; blooms all summer, fragrant. Each 75c

JAPANESE—Evergreen; fragrant flowers, white changing to yellow. Each 75c

HALL'S—Evergreen, very popular; white turning to yellow. Each 75c

EVERGREEN BUSH HONEYSUCKLE—(Lonicera Nitida)—Erect growing medium size bush with luxuriant foliage, the small leaves being leathery and glossy; the flowers are cream white and fragrant.

2 to 3 feet, each \$1.50

WHITE TARTARIAN HONEYSUCKLE—Large bushy upright growth, flowers freely and red or orange fruit stays on until late. Fine for backgrounds. Each 50c to 75c

Jasmine

JASMINE NUDIFLORUM—Branches drooping, enveloped with bright yellow flowers before leaves appear. Each 60c

JASMINE OFFICINALIS—Free-blooming, pure white flowers, star shaped; foliage delicate; evergreen. Each 60c

Wistaria

W. SINENSIS—(Chinese Wistaria)—Grows 15 to 20 feet in a season; has long pendulous clusters of pale blue flowers in May and June and in Autumn.

Choice plants \$1.50 to \$2.50

WISTARIA CHINENSIS VARIEGATED—Yellow variegated leaves, pretty after flowering for the beautiful speckled foliage which is very attractive among other green foliage. Flower same as common Chinese Wistaria.

\$1.50 to \$2.50

W. MULTIJUGA—Similar to Wistaria Sinensis except in color of flowers which are dark violet blue, borne in very long-racemes.

Each \$1.50 to \$2.50

WISTARIA MULTIJUGA PINK—Same as above only flowers are light pink. A very rare sort. \$1.50 to \$2.50

W. BRACHYBOTRYS—White flowering.

\$1.50 to \$2.50

 **Small plants of Wistaria Chinensis for Spring delivery at 50c to \$1.00.**

Ampelopsis

VEITCHI "Boston Ivy"—Leaves glossy green, coloring bronze in fall; flowers small; berries deep blue. Each 50c

QUINQUEFOLIA "Virginia Creeper"—Common American Ivy. Each 50c

English Ivy

Large, thick, shining, leathery leaves; evergreen. Each 35c

Trumpet Vine

BIGNONIA GRANDIFLORA—(Trumpet Vine)—Strong climber; deciduous; flowers orange scarlet. Each 50c

BIGNONIA TWEEDEIANA—Evergreen clinging; flowers canary yellow. Each 50c

Dutchman's Pipe

ARISTOLOCHIA SIPHO—A handsome bright green luxuriant vine, having large foliage and brownish, pipe-shaped flowers. A strong, rapid grower. Strong plants. Each 50c

Pink Passion Vine

A rapid growing, attractive vine, flowering freely throughout the summer and fall. Plant out in April or May. Each 50c

ANNUAL VINES — *Cobaea Scandens*, *Wild Cucumber*, *Canary Bird*, *Morning Glory*, *Nasturtiums*, etc. — **SEEDS AND PLANTS IN SEASON**



Deliveries can be made from October until May, but orders are accepted at any time for delivery in Season

WE use every precaution to deliver healthy, vigorous stock, but the measure of your success will depend upon the planting and care given, as careless or ignorant handling kills thousands of fine trees and plants every season. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled," **do not remove the burlap.** Plant as received, only cut the string around the top, then **loosen the burlap after the tree is set.** If you cannot plant immediately on receipt, **always "heel" in the trees so their roots may be in contact with good soil.**

Leaving the ground loose after planting has caused tremendous losses that are generally and unjustly blamed to the nurseryman. Another cause of great loss is the wind working the newly set trees loose from the soil. This kills them. Always stake newly set trees if in a windy situation. After trees are set, make a plan of the grounds, marking the different varieties, then remove the wire labels, as they may damage the growing limb.

An hour's exposure of roots to wind or sun may kill any tree; this is especially true of evergreens. In planting cut off the bruised or broken roots with a sharp knife.

If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting the trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. **Be sure to Pack the Earth Solidly Around the Roots.** The neglect of this important detail is responsible for many failures.

DECIDUOUS SHRUBS

Althea—Rose of Sharon

Flowers delicate, bell shaped, blooming at different times during summer.

Choice named varieties, 3 to 4 feet, \$1.00

GRANDIFLORA SUPERBA—Double, delicate blush, carmine center.

ELEGANTISSIMA—Double white.

MEEHANI—Leaves variegated, single lilac-pink flowers.

DOUBLE RED OR WHITE. Each \$1.00

Flowering Almond

PINK—Well known early dwarf shrub. Double clear pink little roses festoon the gracefully bending branches. **3 to 4 feet, \$1.00**

Azalea Mollis

Very bushy; proficient bloomer. Colors, red, orange and yellow. **\$1.50**

Azalea

NATIVE—White or light pink. **15 to 18 in. \$1.50**

Berberry

PURPLE LEAVED—Having purple foliage, very pretty. **Clump 60c each**

B. THUNBERGII—Japanese. Dwarf habit; foliage changes to a beautiful red in autumn; good hedge plant. **2 to 3 ft., each 60c to 75c**

Currant

FLOWERING—Graceful flowers and berries red. Desirable for shady spots. **3 to 4 ft. 75c**

Deutzia

PRIDE OF ROCHESTER—Double white. **3 to 4 feet, \$1.00**

Elder

GOLDEN LEAVED—Foliage retains its bright golden color through summer. **4 ft. 75c**

Filbert

PURPLE LEAVED—Leaves and husks purple, very ornamental. Nuts good. **3 to 4 ft. \$1.00**

Forsythia (Golden Bell)

Most common; deep green foliage. Fine in partial shade. **2 to 3 feet 75c**

Honeysuckle

BUSH—Very beautiful. **3 to 4 feet 75c.** For others, see vines.

Hydrangea

PANICULATA GRANDIFLORA—Immense panicles of bloom, from July to November, creamy white, pink flush. Prune back in early spring, about half of previous year's growth. Hardy everywhere; good for cemetery planting. **3 to 4 ft. 75c to \$1.00**

Tree shaped, each \$1.00 and up

For Hortensis variety see Otaksa, page 33.

Our DIAMOND LAWN GRASS makes an Evergreen, Velvety, Turf

Deciduous Shrubs--Continued

Mock Orange (*Philadelphus*)

GRANDIFLORA—Flowers large. Slender twig habit. 3 to 4 feet, each 50c; 10 \$4.50

HYBRID. 2 to 3 ft. 50c

Lilacs—*Syringa Vulgaris*

COMMON PURPLE—Very fragrant, an old favorite. 3 to 4 feet 75c; 10 \$6.00

COMMON WHITE—Same as above, flowers white. 3 to 4 feet 50c; 10 \$4.50

CHAS. X (Single)—A strong rapid grower; trusses large and loose, color reddish purple.

MARIE LE GRAYE (Single)—Flowers large, beautiful creamy white; bush dwarf.

MICHEL BUCHNER (Double)—Pale lilac.

PRES. GREVY (Double)—Magnificent, beautiful blue panicles; very large.

LUDWIG SPAETH (Single)—Very fine; trusses large; deep purple.

MME. LEMOINE (Double)—White color; fine for winter forcing.

PRES. CARNOT (Double)—Fine, lavender, with white center, late flowering.

GRAFTED STANDARDS 6 feet, each \$2.00

CHOICE PLANTS 3 to 4 feet, each \$1.00

Quince

JAPONICA (Japan Flowering)—Blossoms vary from the richest scarlet to the most delicate blush color; the fruit is deliciously fragrant, but not edible. 2 to 3 ft., each 60c to 75c

Snowball

JAPANESE—Flowers pure white, delicate large globular heads, in May. 2 to 3 feet 85c

COMMON—Flowers globular, pure white, in May. 3 to 4 feet, each 60c; 10 \$5.00

Smoke Tree

Low growing and shrubby, flowers feathery, appearing like a cloud of smoke. 3 to 4 feet \$1.00

Spiraes

ANTHONY WATERER—Blossoms about the close of June; flowers red. Clumps, each 75c

BILLARDI—Produces fine, rose-colored flowers, blooms nearly all summer. Clumps, each 60c

PRUNIFOLIA, BRIDAL WREATH—The pretty double white flowers usually expanding about May 1. Clumps, each 75c

THUNBERGII—Branches slender and somewhat drooping; foliage yellowish-green; flowers small, white, appear early. Clumps, ea. \$1.00

VAN HOUTTE—The grandest of all the Spireas. When in flower it is a complete fountain of white bloom, the foliage hardly showing; hardy and an early bloomer. 2 to 3 feet 60c to 75c

Tamarix

JUNIPERINA—Ornamental tree with soft, Juniper-like leaves, pink flowers. 3 to 4 ft \$1.50

Weigelia

CANDIDA—Flowers white, bush tall. 75c

ROSEA—Flowers light pink, shrub compact. 75c

EVA RATHKE—Flowers red, one of the best. Slightly dwarf. 75c

VARIEGATED—Leaves become silver white 75c

Miscellaneous Ornamentals

BAMBOO—Ornamental plant, with almost evergreen foliage. Strong clumps, 3 to 6 feet. Each \$1.00 to \$2.00

PAMPAS GRASS—Ornamental grass, easily grown, producing long, pointed leaves and majestic, silvery white plumes; 6 to 8 feet high.

Strong roots, each 75c
Large specimen plants, \$2.00 to \$5.00

ST. JOHNS WORT (*Hypericum Moserianum*)—Low growing with yellow blooms; a drought resister. July and August. Clumps 50c

TRITOMA (Pfitzeri)—Or Red Hot Poker—Rich orange-scarlet, blooming from mid-summer to latest fall; spikes 3 to 4 feet high; winters best if lifted and stored in sand. Fine for borders or mass effects.

Strong flowering roots 25c, doz. \$2.50, postpaid.

YUCCA—Spanish Bayonet or Adam's Needle—Bell-shaped flowers on laterals, forming a perfect pyramid; fine for rockwork. 2 to 3 feet.

Filamentosa—Thread leaved, creamy white; July. Plants, 2 feet, each \$1.00 to \$2.50



SHADE AND ORNAMENTAL TREES



SPACE will not permit us to give more than the very briefest description of ornamentals in this booklet, but complete descriptions and detailed information covering your planting problems will be promptly and cheerfully furnished on request, together with such suggestions as we feel will prove helpful to you. We shall be pleased to quote special prices on larger grades than those offered in the list. Such varieties as we have marked with an asterisk (*) can be supplied in many cases in larger grades and in large quantities.

When large trees are planted, they should be cut down to within 8 feet of the ground and all laterals should be shortened in, thinned out if they are too thick and cut away entirely to about 6 feet off the ground.

We shall be pleased to give quotations to persons desiring large numbers.

Prices of the following are for the 7 to 8 feet grade, excepting where otherwise specified.

DECIDUOUS TREES

Ash

AMERICAN WHITE—Broad, round head and dense foliage. Very fine. Each 00c; 10, \$5.00

Basswood (See Linden)

Beech

PURPLE LEAVED—Foliage is deep purple in the spring, changing to crimson in the fall.

5 to 6 feet, each \$3.00

AMERICAN—The nut-bearing beech.

7 to 8 feet, each \$2.00

EUROPEAN BEECH. Each \$2.00

*Birch

EUROPEAN WHITE—Silvery white bark and slender drooping branches. 7 to 8 ft., ea. \$1.50

CUT LEAVED—Delicately cut foliage, silvery white bark and drooping branches. 5 to 6 feet.

7 to 8 feet, each \$2.00; 10, \$18.00

Purple Leaved. 7 to 8 feet, each \$2.00

Catalpa

Splendid trees, white flowers, bright foliage.

CATALPA BUNGEI—Forms a dense, round, umbrella-like head. Each \$3.00 up

***CATALPA WESTERN (Speciosa)**—Very rapid grower, fine as a quick shade.

7 to 8 feet, each \$1.50; 10, \$12.00

Crab-Flowering

BECHTELS—Fragrant pink flowers. In appearance a tree of roses. 3 to 4 ft., ea. \$1.00

Common Flowering Crab. 3 to 4 ft., \$1.00

Dogwood—Cornus Florida

WHITE FLOWERING—Flowers white, 3 in. in diameter, blooming before leaves come in spring. Price, 4 to 5 ft., ea. \$1.50; 10, \$12.00

RED FLOWERING. 2 to 3 ft., each \$2.50

*Elm

AMERICAN WHITE—A magnificent tree with drooping branches.

7 to 8 ft., ea. \$1.25; 10, \$10.00

***CORK BARK**—Desirable for street planting. Young branches very corky. Each \$1.25

PURPLE LEAVED—Leaves rich purple when young. Each \$2.00

Hawthorne

DOUBLE SCARLET—Small tree, spreading branches, crimson flowers.

Each \$1.00; 10, \$9.00

SINGLE WHITE—Flowers small, leaves lustrous green color. Each \$1.00; 10, \$9.00

Horse Chestnut

***WHITE**—Foliage showy, flowers stand in upright panicles. 4 to 8 ft., each \$1.25 to \$2.00

***RED**—Same flower as above; flowers red. 4 to 8 feet, each \$1.25 to \$2.00

*Laburnum (Golden Chain)

Small growing tree, with long, drooping racemes of fragrant yellow flowers.

5 to 6 feet, each 75c to \$1.50

Linden


AMERICAN—Shapely and handsome, foliage large. Each \$1.50; 10, \$12.00

EUROPEAN—Similar to American, leaf smaller. Each \$1.50; 10, \$12.00

Locust

***BLACK**—Rapid grower. Each 75c; 10, \$6.50

HONEY—Rapid grower, a drought resister; fine for hedge or wind-break. Ea. 75c; 10, \$6.50

 We offer splendid values in the most useful and ornamental Shade Trees — large vigorous stock that can be transplanted without loss. *Special low prices on large orders*

Deciduous Trees--Continued

Magnolia

CUCUMBER TREE (*Acuminata*)—Tall, pyramidal tree, showy leaves and yellowish white flowers. **Each \$1.50**

SALICIFOLIA—Pure white flowers. It emits a sweet aromatic scent from the flowers stems and leaves; very hardy. **Each \$1.50 to \$2.00**

CONSPICUA—A Chinese species of medium size, shrub-like in growth while young, but attains the size of a tree in time. Flowers large, pure white. **2 to 4 feet, each \$1.50**

OBOVATA—Exterior petals purple, veined with deeper color, white center. **Ea. \$1.00 to \$1.50**

GRANDIFLORA—See page 33

*Mountain Ash

AMERICAN—Foliage orange-red in Fall. Red berries remain on tree most of winter. **5 to 6 feet, each \$1.25; 10, \$10.00**

EUROPEAN—White flowers, then beautiful red berries. **5 to 6 ft., ea. \$1.25; 10, \$10.00**

Maple

ASH-LEAVED (Box Elder)—Rapid grower, fine street tree, foliage ash-like. **Each \$1.50; 10, \$12.50**

VARIEGATED ASH-LEAVED MAPLE—Fine for lawn or street plantings. **Each 75c to \$2.00**

***Oregon Soft**—A rapid grower. Leaves large. **7 to 8 feet, each \$1.50 to \$12.50**

***SYCAMORE**—Tree large and spreading with handsome foliage. **7 to 8 feet, each \$1.50 to \$12.50**

SILVER—A rapid grower, graceful and very beautiful; leaves silvery. **7 to 8 feet, each \$1.50 to \$12.50**

***NORWAY**—Large, growth compact; foliage deep green. Handsome. **7 to 8 feet, each \$1.50 to \$12.50**

PURPLE LEAF SYCAMORE—Purplish green foliage, sycamore-like. **7 to 8 feet, each \$1.50 to \$12.50**

SUGAR OR HARD—A rapid grower and a shapely tree with beautiful autumnal coloring. **7 to 8 feet, each \$1.50; 10, \$12.50**

Maple (*Japanese*)

FINE LEAF—Red. **2 to 4 feet, each \$2.00**

GREEN VARIEGATED. **2 to 3 ft., ea. \$1.50**

Mulberry

NEW AMERICAN—Hardy, large leaves, berries large, edible. Ripen from June to September. **4 to 6 feet, each \$1.00 and up**

RUSSIAN MULBERRY. Very hardy, vigorous grower. Fruit of small size. **Ea. \$1.00 and up**

Oak

ENGLISH—Low growing, spreading habit and rapid growth. **Each \$2.00; 10, \$18.00**

SCARLET—Pyramidal shape, foliage changes to bright red in Fall. **Each \$2.00; 10, \$18.00**

Persimmon

AMERICAN—Handsome tree with dense green foliage. Small fruit. **2 to 4 feet, each \$1.00**

Poplar

***CAROLINA**—A very rapid grower.

6 to 8 feet, each 75c; 10, \$6.50

Special. **12 to 15 feet, each \$1.25; 10, \$12.00**

BOLLE'S SILVER—Tall growing and compact. Glossy green leaves above, silvery underneath. **7 to 8 ft, ea. 75c; 10, \$6.50**

LOMBARDY—Rapid growing tree of pyramidal type. **7 to 8 ft., each 75c; 10, \$6.50**

Prunus Pissardi

Foliage and fruit entirely red. Plums very good quality. **Each \$1.00**

Prunus Vesuvius

Rich red luxuriant foliage. Holds color late in the Fall. **4 to 6 feet, each \$1.50**

Tulip Tree

Leaves light, glossy green, fiddle shaped; flowers greenish yellow, tulip shaped.

5 to 6 feet, each \$1.50; 10, \$12.50

Weeping Trees

Birch

CUT LEAVED—Slender drooping branches, silvery white bark. Beautiful green finely cut foliage. **Each \$2.00**

Elm

CAMPERDOWN WEEPING—Vigorous branches, forming a roof-like head. **Ea. \$2.50**

Weeping Willow

WISCONSIN—Large, glossy leaves and very pendulous habit.

Each \$1.25 and up

Mulberry

TEA'S WEEPING—Branches long and slender drooping parallel to trunk. **Ea. \$2.25 and up**

Poplar

GOLDEN—Fine golden yellow foliage, retaining its brilliancy throughout the season.

4 to 5 feet, each 75c

SPRAY, CULTIVATE AND FERTILIZE YOUR TREES—And their rapid growth and development will surprise you. See page 46 for partial list of Sprays and Fertilizers



Araucaria

IMBRICATA (MONKEY PUZZLE)—A fine tree of regular pyramidal form; leaves bright green, overlapping each other. **\$3.00 and up**

Arborvitae

***AMERICAN**—Native, known as white cedar. Foliage bright green, yellow-green underneath; brown and bronze in winter. **2 to 3 feet \$1.50**

GOLDEN—Elegant; habit regular; foliage tinged with gold in spring. **2 to 3 feet \$3.00**

WEeping—Weeping variety; foliage light yellowish green. **2 to 3 feet \$2.00**

AMERICAN VARIEGATED PYRAMIDAL—Foliage dark green. **2 to 3 feet \$1.50 to \$2.00**

ORIENTAL—Close ascending branches of a fan shaped appearance. **2 to 3 ft. \$1.50 to \$2.00**

RED CEDAR—Native, with striking form and beautiful color. **2 to 3 feet 75c**

Box

BALL SHAPED, 10 to 15 in. Ea. **\$1.50 to \$3.50**

PYRAMID, 1 to 2 feet. **Each \$1.50**

BOX PLANTS FOR HEDGES AND BORDERS—

6 to 9 inches, each 30c; 100, **\$25.00**

12 to 15 inches, each 35c; 100, **\$30.00**

Cedrus

DEODORA (Himalayan or Indian Cedar)—Branches drooping; foliage silvery green. Very popular. Vigorous grower. **\$3.00 and up**

DEODORA VARIEGATA (Variegated Cedar)—A fine tree, same as Deodora with silvery white tipped foliage. **\$3.00 and up**

JAPANESE CEDAR (Cryptomeria Elegans)—Beautiful delicate green foliage and graceful habit, color changing to reddish brown in winter. **Price, 1 to 2 feet, each, \$2.00**

RED CEDAR (T. Virginiana)—Handsomerich green very distinctive in form and foliage. **Price, \$1.50 to \$5.00 and up**

Cypress

***LAWSON'S**—Branches horizontal; foliage dark green. **2 to 3 feet \$2.00.**

LAWSON BLUE—Of slender habit with silvery foliage. **Each \$3.00**

ALLUMII—Bright blue. **Each \$3.00**

LAWSONIANA DARLYENSSI—A strong grower; color a fine bright yellow. **Each \$3.00**

Fir

AMERICAN BALSAM—Prized for its delightful aroma. **1½ to 2 feet \$2.00**

EUROPEAN—Splendid; branches spreading, foliage broad and silvery. **2 to 3 feet \$3.00**

NORDMAN'S—Lustrous, deep green foliage; very symmetrical. **Each \$3.00**

WHITE—A fine tree; rapid growth; very hardy. Very attractive. **1½ to 2 feet \$3.00**

Hemlock

AMERICAN—Branches pendant and foliage deep green. **Each \$2.00**

Holly—(Ilex)

We have a fine lot of Hollies, both seedling and grafted stock. If wanted in quantity, write for special prices.

ENGLISH (Aquifolia)—Prickly, dark green foliage; grows moderately fast, covered during the winter months with bright red berries. Prices: Berry-bearing trees, per foot, **\$1.00**; nice trees, **\$2.50 to \$6.00**; ordinary stock, per foot, **75c**; nice trees **\$1.50 to \$3.00.**

Variegated Hollies

Remarkably handsome lawn plants. The leaves are variously marked with yellow or white.

GOLDEN MARGINED—Leaves splashed with pale green; narrow, but irregular; golden edge. **Per foot \$1.00 to \$1.50**

SILVER MARGINED—Leaves long, dark green, slightly mottled, and with an irregular, narrower silvery margin. **Per foot \$1.00 to \$1.50**

LARGE SPECIMEN HOLLY TREES can be furnished with or without berries. **Prices and sizes on request.**

EVERGREEN TREES—Continued

Juniper

IRISH—Pyramidal in form, foliage silvery gray; very striking. 2 to 3 feet \$2.00

COMMUNIS PFUTZERIANA—Graceful green foliage, horizontal branches, beautiful trailing evergreen. 2 to 3 ft., each \$5.00

THUJA OCCIDENTALIS HOVEYI—Clear green color; slow growing. Each \$3.50

Magnolia Grandiflora

Choice well budded trees.

2 to 4 feet, each \$2.50

Pine

AUSTRIAN—Splendid for seashore planting; growth rapid; quite hardy. 2 to 3 feet \$1.50

Spruce

***NORWAY**—A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. 1 to 2 feet \$1.25

NORWAY VARIEGATED GOLDEN—Foliage golden yellow, vigorous. 2 to 3 feet \$2.00

COLORADO BLUE—The most beautiful of spruces; foliage silver blue. Each \$2.50

DOUGLAS—Somewhat similar to our hemlock; rapid grower. 1 to 1½ feet \$1.50

Yew

ENGLISH—Slow growth, densely branched, head spreading, dark green leaves. 1½ to 2 ft. \$2.00

IRISH—Upright, deep, dark green foliage. 2 to 3 feet \$3.50

VARIEGATED—Same as Irish, but with part of foliage striped and margined with silvery white 2 to 3 feet \$1.50

EVERGREEN SHRUBS

Abelia

A low-growing shrub, producing white-tinted lilac, heather-like flowers during the summer and fall months. Beautiful glossy foliage, requires some protection in severe climates. \$1.00 up

Aucuba

JAPONICA—Japan evergreen, with shining foliage and red berries. Each \$1.00 and up

JAPONICA VARIEGATA—Green and yellow foliage; very showy. Large plants for immediate effect. Each \$2.00 to \$3.00

Azalea

CRIMSON (A. Hinodegiri)—(Asahi)—Evergreen variety from Japan, bright, minute, waxy foliage that turns garnet in Winter. Loaded in early Spring with masses of scarlet flowers which almost cover the plant. Low-growing, and one of our best massing shrubs. Choice plants \$2.00 each

Broom

SCOTCH—Branches drooping, covered in spring with bright yellow flowers. 3 to 4 feet \$1.25

WHITE FLOWERING—Same as Scotch; flowers white. 3 to 4 feet \$1.00

SPANISH—Upright; branches leafless, superior to Scotch. Blooms continuously throughout the summer. 3 to 4 feet 75c

Cotoneaster

Splendid for low walls, rock work, terraces, etc. Foliage is small, of a rich green, and in the Fall the plants are covered with bright red berries that remain for a long period. We offer three varieties. Choice Plants, \$1.00 to \$1.50 each

HORIZONTALIS—Branches nearly horizontal, bearing brilliant red berries during Autumn and Winter. Small pinkish white flowers.

MICROPHYLLA—More slender, with smaller leaves and branches, than Horizontalis.

SIMONSI—Of upright growth with small leaves; pink-white flowers and bright red fruit.

Daphne

ODORA—Pretty early flowering shrub, producing pink flowers in March. Each \$2.00

Cryptomeria

One of the finest evergreens of Japan; of both upright and drooping habit. Foliage mostly needle-like; end of branches soft and flexible.

1 to 2 feet, each \$1.00 to \$2.50

Hydrangea

HORTENSIS BLUE—Very fine Japanese variety for potting and porch decoration; large flowers, rosy blue to light blue, according to the soil.

HORTENSIS PINK—Fine truss, pure pink. 2 to 3 shoots, \$0.75; 4 to 5 shoots, 1.25; 8 to 10 shoots, 1.75; Large plants, each \$2.50 to \$3.00.

Lauristinus

Luxuriant dark green foliage, with clusters of small white flowers in winter.

1 to 2 feet, each \$1.00 and up

Laurel

PORTUGAL—Dwarfish, leaves dark green, flowers very sweet. 2 to 3 feet \$1.25

ENGLISH—Leaves broad, flowers in clusters, creamy white. Purple berries. 18 in. to 3 ft. 75c to \$3.00

Mahonia—Aquifolia

OREGON GRAPE—Shining, purple, prickly leaves; bright yellow flowers; berries blue-black. 18 to 24 in. \$1.00 to \$1.50 (Balled)

Privet (Evergreen)

One of our best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning.

1-year-old plants, 10 to 18 inches, 10 plants \$1.50; 100, \$10.00

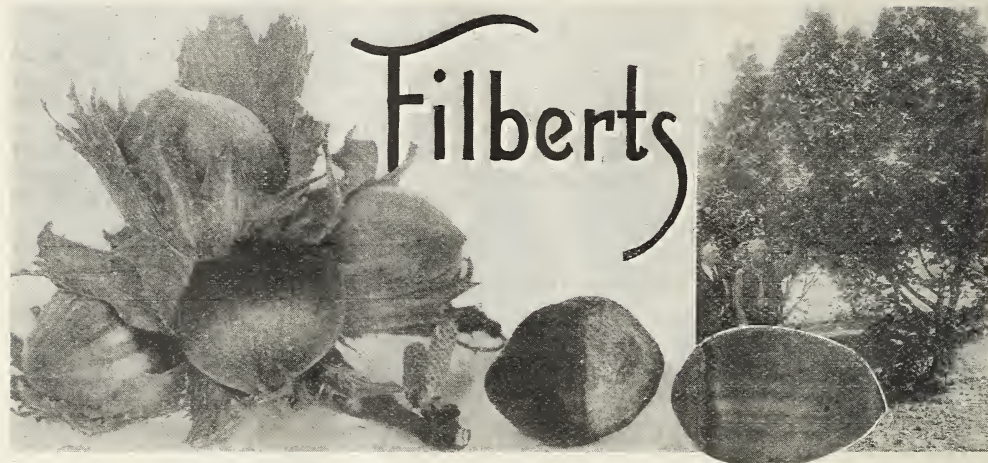
2-year-old plants, 1½ to 2 feet, 10 plants \$2.00; 100, \$15.00

"Umbrella Pine"

SCIADOPITYS VERTICILLATA—The leaves are narrow, round and arranged in whorls of umbrella-like tufts; is especially adapted for porch or lawn decoration. 2 to 3 feet, each \$3.00

For GERANIUMS, GLADIOLI, DAHLIAS or CANNAS See General Catalog

NUT TREES



Barcelona and Du Chilly, 8 years old, growing near Portland

FILBERTS thrive and grow to perfection here in the Pacific Northwest and any soil that produces our native Hazelnut is well suited to Filberts. They are a valuable commercial crop and the illustration shows trees from an orchard that is 11 years old and gives an average yield of 1700 lbs. per acre. In growing Filberts we always advise pruning to the tree form which they readily adapt themselves to.

DU CHILLY—Large elongated nuts, very sweet and full, with a thinner shell than Barcelona; also the meat is a little richer in oil. There is a tendency to lighter yield than Barcelona in many cases, while in others where better pollinated the yield is heavy.

BARCELONA—This is a splendid nut of Spanish origin, large, round, full meated and of the finest quality. A heavy and consistent cropper and usually recommended for most planting conditions.

PRICES: Select well rooted 2 year Barcelona or Du Chilly, each 90c; ten \$7.50

WALNUTS

Walnuts are a sure and profitable crop on the Pacific Coast, and we also urge their planting for shade and ornamental purposes. They grow rapidly, are free from pests, and are handsome and lasting. Only grafted trees should be planted as they yield heavier, the nuts are of better quality and more uniform.

Grafted Walnuts

We offer a splendid strain of Franquettes, the best variety for this section, grafted on four-year California Black Walnut—sturdy, thrifty trees with big fibrous roots. Samples can be seen at our store.

PRICES: 4 to 6 feet, each \$2.50; 6 to 8 feet, each \$3.00.

✍ Write for special prices in large lots.

Seedling Walnuts

FRANQUETTE AND MAYETTE — Second generation, soft shell, selected stock. Trees hardy and prolific bearers. Nuts are rich and meaty, finest commercial sorts.

PRICES—One-year-old, well-rooted, each 25c; 10, \$2.00; Two-year-old, well rooted, tops 2 ft. up, 50c; 4 to 6 feet, each 75c; 6 to 8 feet, \$1.00.

WALNUT TREES that are cultivated, watered and fertilized come into bearing many years earlier than trees that do not have special attention.

Chestnut

AMERICAN SWEET—Makes a handsome shade tree; full medium size, sweet and well flavored.

Each \$1.00 and up

SPANISH—Forms handsome lawn tree and produces much larger fruit than the American variety.

Each \$1.00 and up

Butternut

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the Middle West. 4 to 5 ft., ea. 75c to \$1.00

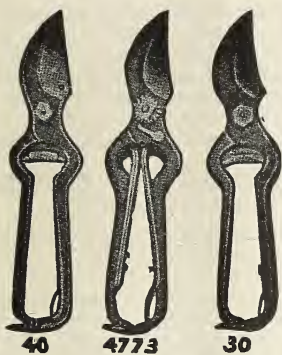
Almond (Nut Bearing)

Almonds can be grown successfully in many sections of Oregon and Washington, and are attracting much attention from commercial orchardists. We can supply most of the leading varieties.

Choice trees 3 to 5 feet \$1.00

PRUNING TOOLS, ETC.

NOTE—Compare Numbers on cut to those in descriptions



PRUNING SHEARS



Bastian

NEW BASTIAN PRUNER

Makes a Clean Sharp cut
The powerful lever of the new Bastian Pruner enables you to do the same work in half the time and with half the labor that would be required with old-style Pruners.

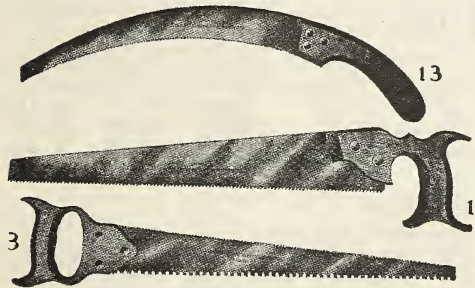
Blades are of finished Damascus steel, very strong, and hold their cutting edge. Simple in construction, light, strong and durable. We recommend the Bastian to all fruit growers.

Prices F. O. B. Portland.

| | | | |
|----------|--------|----------|--------|
| 6-ft... | \$1.50 | 12-ft... | \$2.00 |
| 8-ft... | 1.65 | 14-ft... | 2.25 |
| 10-ft... | 1.80 | 16-ft... | 2.60 |

PRUNING SAWS

- No. 13—California Pruner (Crescent). Finest silver steel. 14 inch. Each \$1.00
No. 1—Pruning Saw. Made of genuine silver steel. 16 inch, each \$1.25; 18 inch, ea. \$1.40
No. 3—Duplex Pruner. 16 inch, each \$1.45; 18 inch, each \$1.65.



MOLE AND GOPHER TRAPS

OUT O'SIGHT MOLE TRAP—Sure to "get them." Weight 2 lbs. Price \$1.00

GOPHER TRAP—Easy Set—Never fails. Weight 1 lb. Price, each, 25c

REDDICK MOLE TRAP—No mole can pass under it and live. Wt. 3 lbs. Price \$1.10

WOODLARK SQUIRREL POISON

Exterminates Squirrels, Sage Rats, Field Mice, Pocket Gophers, Prairie Dogs, Crows.

Cannot be mailed. Price, 1-lb. package, 50c

No. 4773—9-inch; full polish, with double brass springs; best American make. Weight 1 lb. Price \$1.85

No. 40—9-inch; bright finished, polished blade, spiral steel spring; made for hard service. Weight 1 lb. Price \$1.25

No. 41—Same as No. 40, except with ratchet nut. Weight, 1 lb. Price \$1.45

No. 30—7-inch; black finish; polished blade; very good. Weight 1 lb. Price 90c

No. 31—Same as No. 30, only 9-inch ratchet nut; an American make. Wt., 1 lb. Price \$1.00

No. 50—Five and a half-inch, nickle-plated; small, but of best material; fine for ladies. Weight, 1 lb. Price \$1.00

No. 51—Same as No. 50, except that it is 6½ inches long. Weight, 1 lb. Price \$1.25

Branch Shears

We offer special designs Nos. 777 and 707. The blades make a clean cut without bruising—strong handles are securely set in steel sockets—a strong and durable shear, built for service.
No. 777—30 inch with lock nut. Weight 5 lbs. Each \$1.65

No. 707—30 inch plain, wt. 5 lbs. Each \$1.25

Fig 35—Standard pattern. Satisfactory for light work; a good value.

26-inch handle, weight 2½ lbs. 75c—
41-inch handle, weight 3 lbs., 90c.

KNIVES—Prices Postpaid

No. 8—Budding Knife—Ebony handle, stationary ivory bark opener. Price \$1.00

No. 8½—Budding Knife—Same as above, only one size larger. Price \$1.25

No. 3½—Pruning Knife—Large horn handle, very strong. Price \$1.85

No. 4—Pruning Knife—Polished wood handle. Price 80c

No. 7—Grafting Knife—Plain wood handle, stationary blade; smaller. Price 25c

BARNETT FRUIT PICKING PAIL

Built for Service

Galv. Iron with strong canvas open bottom.

A great labor saver.
Wt. 3¼ lbs.

Price each, \$2.75



NORTHWEST FRUIT PICKING LADDER

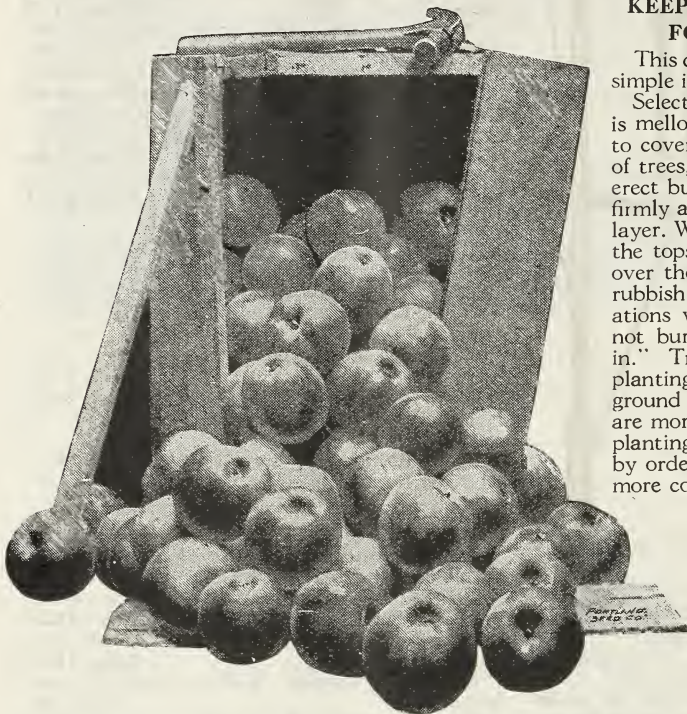
6, 8, 10 and 12 ft. lengths. Strong, light and serviceable. Price 40c per foot

GRAFTING WAX

Lion Brand—¼ lb. 15c—½ lb. 25c—1 lb. 45c
Add postage at zone rate.

Fruit Trees, Berry Bushes, Plants

IN THE PURCHASE of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits and their adaptability to varying conditions, and if you will state whether you intend growing for distant or local market or for home use, giving location and general conditions, we can recommend or assist in the selection of those varieties that will give you best results.



KEEPING TREES OVER WINTER FOR SPRING PLANTING.

This can easily be done by following the simple instructions given below:

Select a well-drained spot where the soil is mellow, and dig a trench deep enough to cover the roots well; put in one layer of trees, placing them so they will not be erect but at a decided angle; pack the dirt firmly about the roots, then place the next layer. When trees are all "heeled" in, cover the tops with boughs or bank up the earth over them. Be sure there is no grass or rubbish near to harbor mice. In mild situations where winters are not severe, do not bury or cover the tops; simply "heel in." Trees thus kept on hand ready for planting as soon as the frost is out of the ground will be found well preserved and are more sure to grow than later spring planting. Besides, you get better service by ordering in the early fall as stocks are more complete.

✂ If trees are frozen in transit, do not unpack, but set away in a cool cellar and allow them to thaw gradually. Trees or roses that are dried out and shriveled should be buried, tops and all, in moist earth for a few days. This will restore them.

Deliveries can be made from October until May, but orders are accepted at any time for delivery in Season.

APPLES

✂ This is a good year to plant Apple trees. The standards of production and markets are well established, making an apple orchard a safe investment. Write for quotations on large orders.

| | Each | Per 10 | Per 100 |
|--|--------|--------|---------|
| First Grade, 2 years | \$0.75 | \$6.50 | \$50.00 |
| First Grade, 4 to 5 feet | .65 | 6.00 | 45.00 |
| First Grade, 1 year, 3 to 4 feet | .60 | 5.00 | 40.00 |

Winter Varieties

✓ **Arkansas Black**—Yellow where not covered with a beautiful dark maroon, approaching black; flesh firm, fine grained and juicy; a long keeper. Dec. to Apr.

✓ **Baldwin**—Deep, bright red; very productive; crisp; one of the best winter apples. Nov. to Feb.

✓ **Ben Davis**—Yellowish, overspread with red; flesh white, tender, juicy; pleasant sub-acid; Oct. to Jan.

✓ **Bismarck**—Fruit large, handsome, yellowish sometimes shaded red cheek; tender, sub-acid; seldom fails to bear when two years old. Sept.

✓ **Delicious**—A splendid apple. Fine for market and home use and especially adapted to Eastern Oregon and Washington. Keeps till April.

✓ **Gano**—Fruit is a bright red on yellow ground, oblong, smooth. Fine keeper. Nov. to Apr.

✓ **Grimes Golden**—Rich golden yellow; flesh tender and juicy. Tree hardy and vigorous. Nov. to December.

✓ **Jonathan**—Early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollenizer with Spitzenberg and Newtown. Oct. to January.

✓ **King**—Large, striped red and yellow; tree vigorous; good mountainous apple; Nov. to Dec.

Apples are the **MOST Dependable** most salable orchard **CROP** and are **SURE Money Makers**

APPLES—Continued

WINTER VARIETIES

- Lady Apple**—Dainty, small flat apple; red cheek. Good Christmas fruit. Tree upright and vigorous.
- Mammoth Black Twig**—Very large; bright red, sub-acid; fine late keeper; fine, vigorous tree. Nov. to Jan.
- McIntosh Red**—A seedling of the Fameuse; bright red, tender and delicious. Nov.
- Multnomah (New)**—A hybrid between the American Pippin and Rome Beauty. Red striped yellow; flesh white and fine; sub-acid extra long keeper and in its prime from February to June.
- Northern Spy**—Large, greenish yellow, stripes of purplish red; flesh white, juicy, sub-acid.
- Ortle, or White Belleflower**—White fleshed, fine grained conical fruit of superior flavor; one of the best. Dec. to Apr.
- Red Cheek Pippin**—Sub-acid; yellowish-green color; red cheek; large size; good bearer. Keeps till March.
- Rhode Island Greening**—Large, greenish yellow; flesh yellow; tender and crisp. October.
- Rome Beauty**—Yellow, shaded with bright red; juicy sub-acid; fine market sort; good bearer. Nov. to Feb.
- Spitzenberg**—Large, oblong; yellowish ground with broken stripes of bright red; flesh yellowish, juicy, delicious rich flavor. Nov. to March.
- Stayman Winesap**—A seedling of the Winesap. Yellow striped with red. Flesh firm, crisp, juicy; sub-acid. Jan. to May.
- Talman's Sweet**—Medium size, pale, whitish yellow, tinged with red; flesh firm; rich and very sweet; best to preserve; vigorous; productive. Nov. to Apr.
- Wagener**—Good size; deep red in the sun; flesh firm and fine grained; good keeper; sub-acid. Oct. to Dec.
- Winesap**—Yellow streaked with red; flesh yellow; rich flavor; excellent for cider. Dec. to Apr.
- Wealthy**—Medium, whitish yellow, shaded with deep red; flesh white, tender and juicy. Oct.
- Winter Banana**—Fancy market fruit; pale yellow with pink blush. Has a delightful aroma and suggestive banana flavor. Not a good shipper. Nov.
- Wolf River**—Greenish yellow shaded with dark and light red; strong grower; good bearer. Sept. to Nov.
- Yellow Belleflower**—Large, oblong, yellow, sometimes a blush in the sun; crisp, juicy, sub-acid; very productive. Oct. to January.
- Yellow Newtown Pippin**—Large; skin smooth, golden yellow; crisp, juicy; standard export variety. Dec. to May.

Summer Varieties

- Early Harvest**—Medium size; bright straw color; tender and fine; good for table and cooking. July.
- Gravenstein**—Large, beautifully dashed with deep red and orange; tender and crisp; aromatic flavor. August.
- Red June**—Medium, oblong, deep red; excellent for table use; one of the best early apples.
- Red Astrachan**—Large, deep crimson, moderately juicy, rich acid flavor; very productive. August.
- Yellow Transparent**—Medium size, roundish, slightly conical; skin pale yellow; juicy, sub-acid; bears young. July.

Autumn Varieties

- Waxen**—Fruit medium; skin pale yellow; sharp acid; splendid for drying. October.
- Fameuse**—(Snow Apple.) Medium size, greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; fine dessert fruit. Oct. to Dec.
- Maiden's Blush**—Medium yellow, with a very distinct red cheek on the sunny side; flesh white; sub-acid. Sept.
- Golden Russet**—Medium, dull russet, with a tinge of red; flesh crisp, juicy and highly flavored. Sept.

CRAB APPLES

Nice stocky trees, each 75c; per 10 \$7.00

- Florence**—Red striped; early good annual bearer, juicy and crisp; fine for home gardens. Sept. 1.
- Transcendent**—Very large, good for cider; yellow striped red. Productive. Adapted to Montana. Sept.
- Hyslop**—Large, deep crimson; hardy. Nov. Jan.
- Red Siberian**—Yellow with scarlet cheek. Bears young and abundantly. September.
- Yellow Siberian**—Fruit small, fine golden yellow. Good. Aug.

QUINCE

PRICES: Each 10
First Grade, 2 years \$1.00 \$9.00

ORANGE—Standard variety; early; large, golden yellow; good for preserving or flavoring. September.

MEECH—Large, yellow; cooks tender; delicious flavor; more productive than the Orange. October.

PINEAPPLE—The flavor is suggestive of the pineapple; fruit resembles the Orange quince; superior for jelly; can be eaten raw; delicious flavor. Sept.

GOULD SPRAYERS will give and maintain the necessary pressure to spray right. They are built for lasting service. See General Catalog.

PEARS

WE CAN SUPPLY all standard varieties of Pears, but list only those in greatest demand. If the variety you want is not listed, write us.

50 at hundred rate—500 at thousand rate.

| | Each | Per 10 | Per 100 |
|--------------------------------------|--------|--------|---------|
| First Grade, 2 years | \$1.00 | \$9.00 | \$60.00 |
| First Grade, 1 year, 4 to 6 feet.... | 1.00 | 9.00 | 60.00 |
| First Grade, 1 year, 3 to 4 feet.... | .90 | 7.50 | 50.00 |

BARTLETT—Large; skin thin; juicy; highly flavored; best Summer pear existing. Aug., Sept.

BEURRE BOSC—Large, beautiful, russety; highly flavored; fine for shipping. September.

BEURRE CLAIRGEAU—Large, yellow, shaded orange and crimson with russet dots; flesh yellowish; juicy. September.

BEURRE D'ANJOU—Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

COMICE—A splendid commercial variety, being of fine size; good appearance; ships well. Oct

FALL BUTTER—A Fall favorite; yellow, sweet and juicy. September

LOUISE BONNE DE JERSEY—Large, greenish yellow, brownish red in the sun, marked with gray dots; juicy, melting. October.

SECKEL—Rich and highly flavored; brownish green, russet brown cheek; buttery and melting. September, October.


Winter Varieties

P. BARRY—Very large yellow pear. Juicy and fine grained. Good keeper. Dec. to March.

WINTER BARTLETT—Fruit large, closely resembling the famous Bartlett in flavor and appearance, but ripens later.

ROOSEVELT (New)—Large, roundish. Juicy, melting; yellow clouded with salmon rose. Oct

WINTER NELIS—Medium; skin yellowish green; flesh yellowish white; fine grained, rich saccharine aromatic flavor. December.

 **PEARS** are a profitable orchard crop, and our stock this season is of extra fine quality, clean, thrifty, well-grown trees

APRICOTS

| | | |
|-------------------------------|--------|--------|
| Prices, except where noted: | Each | Per 10 |
| First Grade, 4 to 5 feet..... | \$1.00 | \$9.00 |
| 3 to 4 feet..... | .90 | 7.50 |

MOORPARK—very large, yellowish green, brownish red on the sunny side; flesh bright orange; fine for canning and drying; July, Aug.

THE LEWIS—The largest, strongest growing, best yielding, best flavored apricot we have ever seen, perfectly hardy. Grown extensively in "Goodnow Hills" district. July, Aug.

NECTARINES

Price: 3 to 5 ft., each, 75c; 10 \$6.50

BOSTON—Large, deep yellow, bright blush; flesh yellow; rich and luscious. Best for Oregon. Aug. 1.

DWARF FRUIT TREES

Ideal for home gardens; come into bearing early. Forty Dwarf Trees can be planted in a space 50 feet square and will not shade the ground, which can be cultivated between the trees. For best results Dwarf Trees must be planted in good rich soil and be well cared for; they should be pruned back about two-thirds of their new growth each spring.

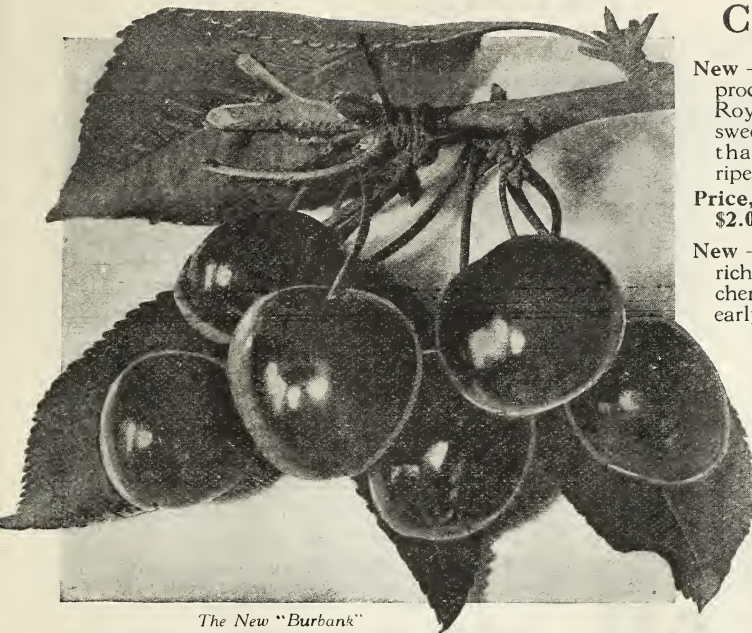
DWARF APPLES—Baldwin, Yellow Transparent, Red Astrachan.

DWARF PEARS—Bartlett.

Prices—Each 75c; 10 \$7.00

FRUIT TREES DEMAND BEES FOR PROPER POLLINATION

Our Bee Supply Catalog tells why; also how to keep and handle bees. Every fruit grower needs a copy. **FREE**



The New "Burbank"

CHERRIES

New — **Abundance** (Burbank production)—A seedling of Royal Ann, larger, handsomer, sweeter and more delicious than this great favorite; ripens a week later.

Price, each, 1 year, 4 to 6 ft. \$2.00; doz. \$18.00

New — The "Burbank" — A rich, fine flavored dark red cherry, sweeter than other early varieties; a good shipper, vigorous grower and never failing producer.

4 to 6 feet — select trees, each \$2.00; doz. \$18.00.

Diamond Fertilizers are a safe investment. Ask for our Booklet. "FERTILIZERS"

PRICES, except where noted:

| | Each | Per 10 | Per 100 |
|--|--------|--------|---------|
| First Grade, 2 years | \$1.00 | \$9.00 | \$60.00 |
| First Grade, 1 year, 4 to 5 feet | 1.00 | 9.00 | 60.00 |
| First Grade, 1 year, 3 to 4 feet | .90 | 7.50 | 50.00 |

Bing—Fruit large, dark brown or black; very fine; late; a good shipping variety. July.

Black Republican (Lewelling)—Large size, black, sweet, with purplish flesh; late and a good shipper. June.

Kentish (Early Richmond)—Dark red, very juicy; one of the best sour cherries and unsurpassed for cooking. Mid-May.

Lambert—Color deep, rich red; flesh firm and of fine flavor; a fine market variety. Mid-July.

May Duke—Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent early variety.

Royal Ann—(Napoleon Bigarreau)—Largest size; pale yellow, becoming amber in the shade and with a bright red cheek; flesh very firm, juicy and sweet; immense bearer. July 1.

Late Duke—Large, light red; sub-acid. Late July.

PEACHES

| | Each | Per 10 | Per 100 |
|--------------------------------|--------|--------|---------|
| First Grade, 3 to 5 feet | \$0.75 | \$6.50 | \$50.00 |

EARLY ALEXANDER—One of the largest and best of the extra early varieties. Almost freestone. July.

EARLY CHARLOTTE—Medium early, excellent flavor; freestone; hardy.

EARLY CRAWFORD—Very large, yellow, red, cheek; sweet and excellent; popular for table and canning; freestone. Aug.

ELBERTA—Very large, bright yellow, red cheek; juicy, sweet; regular bearer; freestone. Late July.

PHILLIP'S CLING—One of the best of the clings. Large; yellow; flesh clear yellow to the pit, which is very small; rich and fine flavored; a good canner.

LATE CRAWFORD—Very large; yellow, dark red cheeks; flesh deep yellow; juicy; rich and excellent; freestone; valuable for canning and drying. Sept.

MAYFLOWER—Beautiful red all over; extremely early; tree hardy and healthy. Last of June. Freestone.

SALWAY—Creamy yellow, red cheek; flesh deep yellow, red at the pit; rich and sweet. Freestone. Late Sept.

TUSCAN CLING—Very large; yellow, blushed red. Vigorous; strong grower. July, Aug.

PRUNES

IF you can—**Grow Prunes**—The demand is always good and will increase every year as they can only be grown in certain sections, but where conditions are right they are easily and profitably produced.

| PRICES, except where noted: (Special prices in 1000 lots) | Each | 10 | 100 |
|---|--------|---------|---------|
| First Grade, 2 Years | \$1.50 | \$12.50 | |
| First Grade, 1 Year, 6 to 8 feet | 1.50 | 12.50 | \$90.00 |
| First Grade, 1 Year, 4 to 6 feet | 1.00 | 9.00 | 60.00 |
| First Grade, 1 Year, 3 to 4 feet | .90 | 7.50 | 50.00 |

ITALIAN or Fellemberg PRUNES

Pay big profits
to growers.

New--Prunlew *(Prunlew)*

A cross between the Hungarian Prune and Bradshaw Plum. Produced by Mr. H. A. Lewis, one of Oregon's most successful growers. Prunlew is ten days earlier than Bradshaw, color a little lighter than Hungarian. Fruit medium to large, firm and stands handling and shipping, and the golden flesh has a rich, delicious prune flavor. Prunlew has been favorably reported by the United States Department of Agriculture.

Select trees, each \$2.00

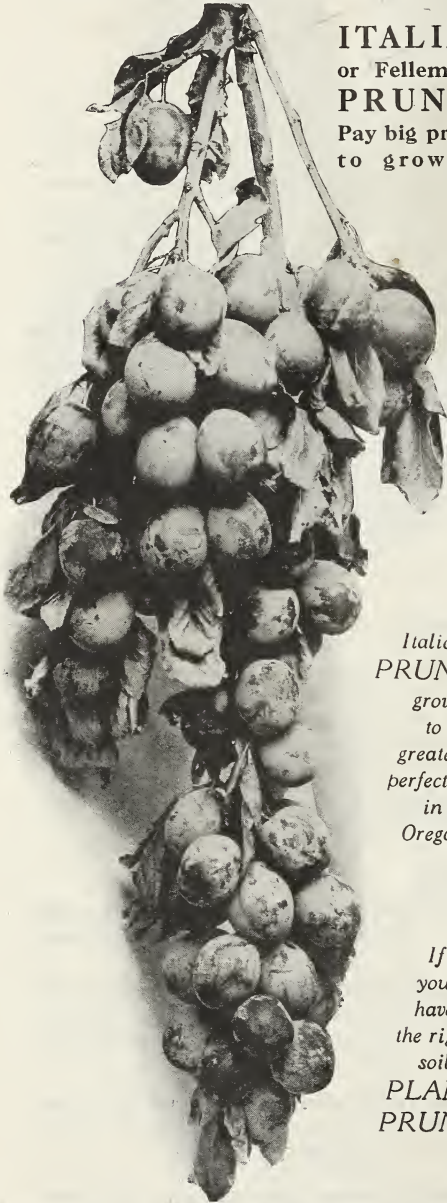
- ✓ **GIANT**—Largest prune known; fruit averaging 1½ to 2 ounces each; excellent quality.
- ✓ **HUNGARIAN**—Very large; dark red, juicy and sweet; good shipper. August.
- ✓ **ITALIAN—Fellemberg**—Dark purple; flesh greenish yellow; separates freely from the stone; best for drying. August.
- ✓ **PETITE—French**—Medium; violet purple; sweet, rich and sugary; fine for drying. Aug.
- ✓ **SILVER**—Seedling of the Coe's Golden Drop; excellent for drying or canning. September.
- ✓ **SUGAR—New**—Fruit ripens 28 days before the French; is four times as large and dries in half the time; flesh tender and rich in sugar; color dark purple. Early. August.
- ✓ **NEW STANDARD**—(Burbank production)—Trees large; enormous yield; sweet, fine-grained and delicious; perfect free stone; skin purple. Price, each, \$2.00

OUR PRUNE STOCK is of exceptional quality this season—large, vigorous, well grown trees in all grades.

PLUMS

| PRICES: | Each | 10 | 100 |
|-------------------------------------|--------|---------|-------|
| First Grade, 2 years | \$1.50 | \$12.50 | |
| First Grade, 1 yr., 6 to 8 ft. 1.50 | 12.50 | \$90.00 | |
| First Grade, 1 yr., 4 to 6 ft. 1.00 | 9.00 | 60.00 | |
| First Grade, 1 yr., 3 to 4 ft. .90 | 7.50 | 50.00 | |

- ✓ **BRADSHAW**—Reddish purple, juicy and pleasant; adheres partially to the stone. July.
- ✓ **BURBANK**—Medium; cherry red, with lilac bloom; flesh yellow; bears young. Late June.
- ✓ **COLUMBIA**—Largest size, nearly globular; brownish purple; rich, sugary, freestone. Aug.
- ✓ **DAMSON**—Small oval, bluish purple; flesh melting, rather tart. Tree fruitful and hardy. Aug.
- DAMSON—Shropshire**—Medium size, dark purple; flesh greenish, juicy and rich. Late Sept.
- ✓ **GREEN GAGE**—Small round; flesh pale green, melting and juicy; freestone. Mid-July.
- ✓ **MAYNARD**—Dull red, large, round, rich, sweet; quick-growing, heavy-yielding. July. Ea. \$1.00
- ✓ **PEACH**—Very large; skin brownish red, slightly coarse grained, but juicy; freestone. July.



Italian
PRUNES
grow
to
greatest
perfection
in
Oregon

If
you
have
the right
soil
PLANT
PRUNES

SATSUMA—Blood Plum—Large, dark red from skin to pit; firm and juicy. Early July.

WASHINGTON—Large, dull yellow, pale crimson bluish; firm and sweet; freestone. Early Aug.

YELLOW EGG—Very large; skin of a deep golden color, rather acid; fine for cooking. Aug.

GRAPES

PRICES, except where noted: Write for prices in quantity.

Each 10 100
\$0.35 \$2.50 \$20.00

CAMPBELL'S EARLY—Berries large, black, with light purple bloom; flesh, tender; rich, sweet, slightly vinous. Aug.

CONCORD—Large, black grape; bunches compact; berries round, sweet and pleasant. Aug.

DELAWARE—Grows freely; is perfectly hardy; ripens early; berries small, light red. August.

MOORE'S DIAMOND—Bunches large; berry greenish white, flesh juicy; almost without pulp.

MOORE'S EARLY—Bunch medium; berry large, resembling Concord, but more pulp and is earlier.

NIAGARA—Berry large, uniform; skin thin but tough; pale yellow; flesh tender and sweet. Sept.

WORDEN—Bunch very large and compact; berry large, black; an improved Concord. Late August.



✓ Tokay, Muscat, Malaga and other European Varieties, Choice Plants at above Prices.

BUSH FRUITS GOOSEBERRIES



PRICES: Each 35c; per 10, \$3.00; per 100, \$20.00

✓ **Downing**—Large, light green; soft juicy and good. Vigorous and very productive.

✓ **Red Jacket (Josselyn)**—Large, smooth, prolific and hardy; best quality.

✓ **Oregon Champion**—Berries very large, pale green; sweet, fine; bush strong, prolific bearer.

This is the standard commercial sort for our section and is best for home use.

CURRENTS

Currants are a profitable easily grown crop, and the market is always good.

PRICES: Each 35c; 10 \$3.00; 100 \$20.00

✓ **Perfection**—New; largest and most prolific Currant; bright red, rich flavor, mild sub-acid.

✓ **Black Naples**—Very large, black, rich, tender; fine for jellies and wine. Productive, vigorous.

✓ **Cherry**—Very large; deep red; fine for preserving; valuable market variety.

✓ **Fay's Prolific**—Bright red, very sweet; fruit hangs on better than most varieties.

✓ **Victoria**—Large, bright red bunches; late, productive.

✓ **White Transparent**—The best white currant known. Splendid market variety; rich flavor; mild sub-acid.

"Corona" Dry Powdered Arsenate of Lead and "Corona" Dusting Sulphur, equal parts—a safe and satisfactory summer dusting spray for fungus and insects.

LOGANBERRY



The loganberry is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry. Fruit ripens early; excellent for jelly or jam. June.

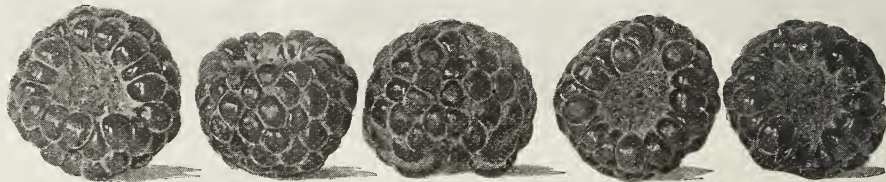
PRICES—Large, well-rooted plants: Two-year-old, each 50c; 10 for \$4.50; 100 for \$25.00. One-year-old, each 30c; 10 for \$2.75; 100 for \$20.00.

Dewberry

Price, not prepaid, each 25c; per 10, \$2.00; per 100, \$18.00.

Lucretia—Fruit large, soft, sweet; no hard core. Hardy, good for this Coast. Last of May.

Gardenia—Large glossy black; delicious; heavy bearer; trailing vine. June.



Raspberries—Red Caps

Prices except where noted: Not prepaid, 1 year—Each 15c; per 10, 75c; per 100, \$4.00

Cuthbert—Deep rich red, large and firm; one of the best market berries. Ripens medium to late.

Marlboro—Standard, light crimson, large, very firm; good commercial variety; ripens early.

Raspberries—Black Caps

Prices except where noted: Not prepaid, 2 years—Ea. 25c; per 10, \$2.25; per 100, \$20.00
1 year—Ea. 20c; per 10, \$1.50; per 100, \$12.50

Gregg—Of good size, fine quality; very productive and hardy. Takes same position among black caps as Cuthbert among the red sorts.

Plum Farmer—Large black, hardy and productive. One of the very best.

Cumberland—Very large; similar to Gregg.

BLACKBERRIES

PRICES, Not prepaid, 2 years: Each, 25c; 10, \$2.00; 100, \$18.00

Evergreen—An Oregon introduction; berries long, black, sweet, rich, delicious; July to Nov.

Himalaya Giant—Strong grower of a trailing nature; everbearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm. Good producer even in a very dry season.

Lawton—Fruit large; very productive; Oregon's most popular kind.

Kittatinny—Large, glossy black, juicy, sweet, excellent when fully ripe. July.

Eldorado—Large, jet black, melting, sweet and rich; hardy and productive.

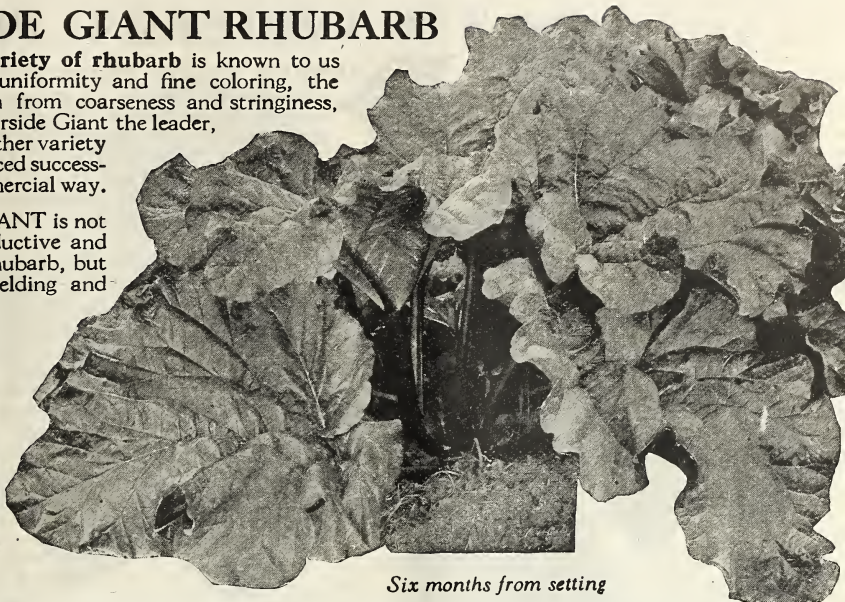
RIVERSIDE GIANT RHUBARB

NO OTHER variety of rhubarb is known to us that has the uniformity and fine coloring, the flavor, the freedom from coarseness and stringiness, that has made Riverside Giant the leader, and we know of no other variety that has been produced successfully in a large commercial way.

RIVERSIDE GIANT is not only the most productive and profitable hardy rhubarb, but is also the best yielding and finest in quality when forced of all forcing varieties.

Full instructions and information on forcing will be sent on request.

Four men in 6 hours have cut over 5 tons from less than one-half acre on the fourth cutting.



Six months from setting

RIVERSIDE GIANT is unequalled for yield and quality, being crisp, tender, free from stringiness, with a good color and a delicious, distinctive flavor. The skin is so thin that it disappears in cooking. Riverside Giant has every good quality of a commercial rhubarb and is so vigorous and productive that over thirty-five tons per acre is a conservative estimate for the season. Cuttings begin in March and usually four are made, the last one in July. Full information for preparation of the soil and growing the crop, as practiced by the originator, will be sent on request to all purchasers.

Two cars of Riverside Giant Rhubarb shipped to The Dalles for drying, proved to be the best variety for that purpose, containing more substance and not having a tough skin.

☛ We have the exclusive sale of this wonderful rhubarb and offer root divisions from the original stock. Each root will make a thrifty plant if properly cared for.

Root divisions must be made from young healthy stock, cuttings from old roots will give poor returns.

PRICE—each 15c; doz. \$1.75; \$12.00 per 100. Postpaid each 20c; doz. \$2.00. Special prices on large lots.

Victoria Mammoth Rhubarb Standard Hardy Variety.

TWO-YEAR-OLD ROOTS—Postpaid, 20c each; \$1.75 per dozen. By express or freight, ea. 15c; \$1.50 doz.; \$10.00 per 100
Write for prices on larger lots.

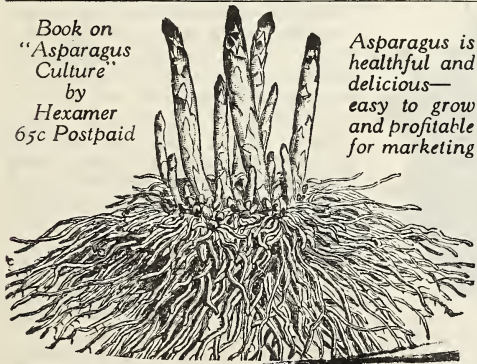
☛ Don't plant rhubarb along a fence, near trees or other crops. Give it plenty of room. Write for cultural directions.

Wagner's Giant

A larger, heavier yielding variety than the Crimson Winter. Our stock is locally grown from root divisions only and will be found true and uniform. Does not run up as many seed stalks as the Crimson Winter and in our experience has proven better in every way.

Price, not prepaid: Root divisions, each 15c; \$1.75 doz.; \$12.00 per hundred. Postpaid each 20c; doz. \$2.00.

Book on
"Asparagus
Culture"
by
Hexamer
65c Postpaid



Asparagus is
healthful and
delicious—
easy to grow
and profitable
for marketing

Asparagus Roots

ONE-YEAR-OLD PLANTS—Postpaid 30c doz—75c per 50—\$1.15 per 100—by express or freight 25c dozen—60c per 50—90c per 100—\$7.00 per 1000.

TWO-YEAR-OLD PLANTS—Postpaid 40c dozen—\$1.00 per 50—\$1.50 per 100—by express or freight 30c dozen—75c per 50—\$1.10 per 100—\$9.00 per 1000.

Horse Radish

Postpaid 5c each—35c per dozen—by express or freight 25c dozen—\$1.50 per 100.
Write for price by the 1000.

VEGETABLE PLANTS—All Standard Varieties in Season—See Seed Catalog

STRAWBERRY PLANTS



DIAMOND Quality Strawberry Plants are large, vigorous and healthy. They are heavily rooted and have large, full crowns; have been carefully grown, and are free from disease and pests. We dig as ordered and pack for shipment in ventilated crates of 500 plants each. **They are grown from our select strains and are always true to name; no substitution is ever allowed without instructions from the purchaser.**

Our select strains of **New Oregon, Gold Dollar, Marshall, Magoon, Clark's Seedling** and other Western varieties, many of which were introduced by ourselves, still hold their position as the **leading commercial varieties of the Northwest**, and are being planted more extensively each season. Thus demonstrating by actual market and growing tests the great superiority of our Western varieties, against the keenest competition from all sections.

Care For and Feed Your Plants

Neglect is the prime factor in strawberry failures, and most strawberry beds suffer from lack of attention and starvation. Proper fertilization and intelligent culture insure enormous crops of finest fruit and freedom from diseases and pests. White grubs, cutworms, crown miners, etc., can all be controlled by preventive measures. Never set strawberries in or near clover sod or hay fields. Such ground should have at least two years cultivation before using for strawberries. Remove the mulch directly after fruiting.

NEW OREGON

Our Own Introduction

Best, Most Uniform and Heaviest Yielding Main Crop Strawberry

"**NEW OREGON**" is large, firm and of fine form, averaging 15 to the quart box, color a brilliant, deep, rich red, having a glossy varnished appearance when fully ripe. This dark blood red coloring extends through to the very center, and, no matter how large, "**NEW OREGON**" is never hollow. When fully ripe the distinctive flavor is suggestive of the wild berry, is crisp and delicious, and will remain on the vine for three days without injury, keeping perfectly for many days after picking; stands handling and long shipments and will hold its color, shape and flavor when canned.

"**NEW OREGON**" is an early and continuous bearer, being ready for marketing the first half of May in the Willamette Valley and holds

**Big
Healthy
Well
Grown
Plants**

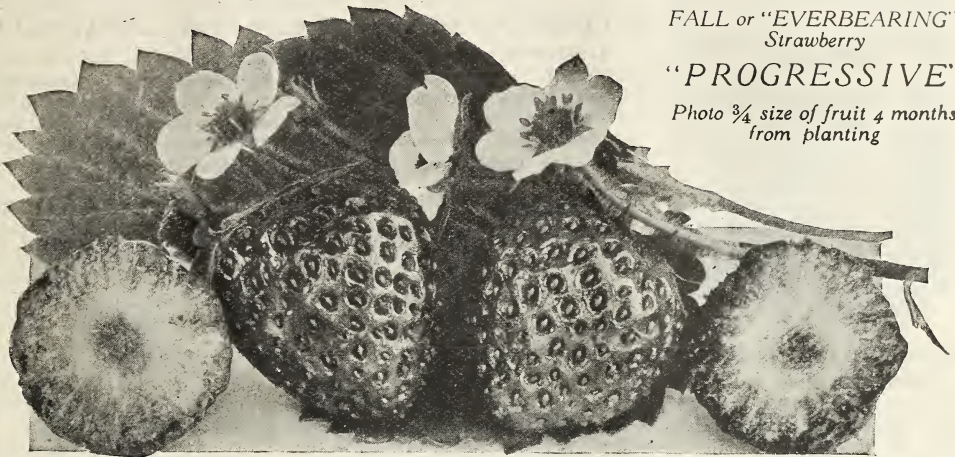
*Trim Roots
here when
ready to
set out*



up in size and quality throughout the season, which in some localities extends until frost.

The strawberries here offered have all stood the market test and you will be safe in selecting any one of them that will suit your conditions and requirements. They are the best varieties obtainable.

FALL OR EVERBEARING STRAWBERRIES



FALL or "EVERBEARING"
Strawberry

"PROGRESSIVE"

Photo $\frac{3}{4}$ size of fruit 4 months
from planting

Fall bearing Strawberries, also known as "Everbearing," are very satisfactory for home gardens and under some conditions will prove profitable commercially, but require special care and attention to secure best results as the late fruit will be small and yield less if the first blossoms are not removed, and the plants are allowed to fruit early and continuously. When properly grown they are of splendid quality and yield heavily until frost.

PROGRESSIVE—Rich, red color, firm and of delicious flavor. Good keepers and shippers. Blossoms should be cut back about 4 weeks before the berries are wanted. We consider this the best of its class.

PRICES: Postpaid, per doz. 75c; 25 plants \$1.25; 100 plants \$3.50
Not prepaid, per doz. 60c; 25 plants \$1.00; 100, \$3.00; 1000, \$20.00

STANDARD VARIETIES OF STRAWBERRIES

GOLD DOLLAR—*Extra Early*—Gold Dollar berries are large size, dark red all through, and have fine flavor. Foliage heavy, large and spreading, which protects the blooms from early frosts. Gold Dollar Strawberries are the standard early berry in the big markets of the Northwest and are always in demand.

MARSHALL—Very large; dark crimson throughout; fine flavor; a fine market and table berry. Our stock is true, vigorous and prolific.

MAGOON—Berry large, fine and of excellent sub-acid flavor; bears heavily; especially adapted to Western Oregon and Washington.

WILSON—A heavy bearer of fine, moderate-sized berries; sharp acid flavor and the leading sort for canning.

CLARK'S SEEDLING—The "Hood River Berry"—Best shipper, berries large, of delicious flavor; vines bear large crops; especially adapted to dry soil.

PRICES: All varieties except Fall Bearing Prepaid Not Prepaid

| | | |
|-------------|--------------|--------------|
| 1 doz., 40c | 25, 75c | 25, 50c |
| 100, \$2.00 | 1000, \$2.00 | 100, \$1.50 |
| | | 1000, \$1.00 |

Not less than 500 plants of a kind at 1000 rate. Special prices on 3000 or more.

Flavoring and Medicinal Herbs—Plants

CHIVE—Has mild onion flavor, grows in grass-like clumps; much used for flavoring.
Each 15c; doz. \$1.50

ROSEMARY—Infusions of the leaves are used in medicinal beverages. Produces an aromatic oil
Each 25c; doz. \$2.50

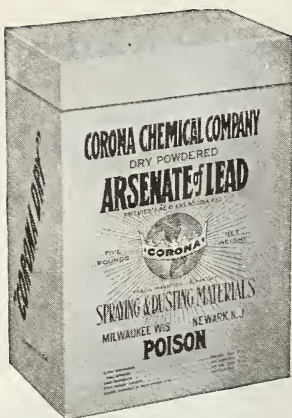
PEPPERMINT—Hardy perennial for producing oil.
Each 25c; doz. \$2.50

THYME—Broad leaved, used in soup, stuffing and sauce.
Each 25c; doz. \$2.50

LAVENDER—By distillation produces the well-known Lavender water, the flowers for perfuming wardrobes, etc. Each 25c; doz. \$2.50
Large clumps each 50c

SWEET MARJORAM—The sweet aromatic leaves are used in either the green or dry state.
Each 20c; doz. \$2.00

SAGE (Giant)—The leaves and tender tops are used in stuffings and sauce; also in the beverage known as Sage Tea. The Giant Sage is a greatly improved variety.
Each 15c; doz. \$1.50



SPRAYS, INSECTICIDES

NOTE—*Poisonous Sprays marked ★ cannot be mailed*

★“CORONA” Arsenate of Lead—DRY POWDERED

“CORONA” Dry Powdered Arsenate is a light, fluffy powder that cannot freeze, dry out, cake or lose its strength—carries the highest possible percentage of arsenic oxide, 33%—is always uniform and requires only 1 pound to 50 gallons of water. *Efficient, economical and convenient. Highest percentage of killing power.*

✍ Write for Lowest Market Prices.

CORONA SULPHUR—For use with Corona Arsenate

The use of this finely powdered sulphur in the summer season for fungus diseases of fruit and vegetables is equally as effective as Lime-Sulphur; is more easily applied and there are no harmful results as it is a pure, non-poisonous sulphur.

✍ Write for Lowest Market Prices.

DIAMOND LIME and SULPHUR SOLUTION

Diamond Lime and Sulphur Solution is prepared in pressure tanks by steam, and is of the highest efficiency. Tests 30 Baume Scale. For old infested trees use 8 gallons water to 1 gallon. For young trees 10 gallons.

Price 1 qt 30c—1 gal 75c—5 gals \$2.40—10 gals \$4.50—50-gal bbl \$12.00.

SCALECIDE

The best miscible oil spray for San Jose scale and soft-bodied, sucking insects. Also contains a powerful fungicide, which will control fungus diseases that are controllable in the dormant season.

Use one gallon of “Scalecide” to fifteen or twenty gallons of water.

Price per qt 75c—gal \$2.00—5 gals \$9.00—10 gals \$17.00—50-gal bbl \$45.00.

★FUNGI-BORDO

Standard Dry Bordeaux Mixture

Mixed nine pounds to 50 gallons, gives a standard Bordeaux Mixture, 4-4-50.

Price, 1 lb 50c—5 lbs \$2.00—10 lbs \$3.50—25-lb drum \$8.00.

DRY LIME-SULFUR

Controls all scale and fungus diseases for which Lime-Sulphur Solution is recommended. For Winter spray use ten to fourteen pounds to 50 gallons of water. For Summer in combination with Arsenate of Lead use 2 to 3 pounds to 50 gallons of water. Price, 1 lb 30c—5 lbs \$1.25—10 lbs \$2.25—25 lbs \$4.50—100 lbs \$15.00.

DIAMOND SPRA-OIL

The Hood River miscible oil spray, used by the big orchards for leaf roller.

As a WINTER SPRAY—For San Jose Scale Pear Scylla, Leaf Roller, Woolly Aphis, use one gallon of Spra-Oil to 15 or 16 gallons of water.

As a SUMMER SPRAY—Very efficient for young San Jose Scale and certain Aphis, diluted with 50 to 100 gal. of water to one gal. of Spra-Oil.

Price, qt 40c—gal 95c—5 gals \$3.50—10 gals \$6.50—bbl \$21.00.

★INSECTO—Dry Bordeaux and Lead

A combination of Bordeaux Mixture and Arsenate of Lead. Use 7 to 9 pounds to 50 gallons of water. Price, 1 lb 65c—5 lbs \$2.75

DIAMOND FERTILIZERS

GENERAL AND VEGETABLE

An all-round fertilizer, which can be used on any crop, but is especially adapted for grain and general farm crops. Analysis: Nitrogen, 2.50 per cent; phosphoric acid, 0.20 per cent.

10 lbs 50c—100 lbs \$3.50—per ton \$68.00

FRUIT AND ONION

This fertilizer is also used for blackberries, raspberries, strawberries, etc. Analysis: Nitrogen, 1.50 per cent; phosphoric acid, 9.00 per cent; potash, 1.00 per cent.

10 lbs 50c—100 lbs \$3.60—ton \$70.00

ODORLESS LAWN AND ROSE

Our Diamond Lawn Fertilizer promotes a vigorous, healthy growth, giving the desired dark rich green appearance; can be used at the time the seed is planted and later as a top dressing. Use one hundred pounds for a city lot. Analysis: Nitrogen, 3.50%; phosphoric acid, 8.00%.

10 lbs 50c—25 lbs \$1.00—50-lb sack \$1.95—100 lbs \$3.60—ton \$69.00.

FISH GUANO

Fish cooked, dried and ground is a strong fertilizer, rich in nitrogen, carrying considerable phosphorus and used largely by vegetable growers. We do not recommend this for lawns or city use.

100 lbs \$5.00; ton \$95.00

SUPERPHOSPHATE

This is a concentrated form of phosphoric acid. Our present stock contains 17 to 18 per cent available. Per lb 5c; 100 lbs \$1.85; ton \$35.00

TANKAGE

Ground meat scraps and bone, desiccated in a vacuum, is very rich in phosphoric acid and nitrogen. Analysis: Phosphoric acid 7.00 per cent; nitrogen 5.75 per cent. Per 100-lb sack \$3.25—ton \$63.00.

MANURE ASHES—A Potash Fertilizer

Manure Ashes contain 2.50 to 4.00 per cent available potash. This is a splendid value in a potash fertilizer. 100 lbs. \$1.85—ton \$35.00

Prices AS FERTILIZERS ARE SOLD ON A SMALL MARGIN, PRICES ARE SUBJECT TO MARKET CHANGES, but you will always get FULL VALUE for your money

LIME

Lime Rock—Fine Ground. This is the form of lime recommended by the Agricultural Department. Use $\frac{1}{2}$ to 1 ton per acre.

100 lbs \$1.25—ton \$15.00

BONE MEAL

Fine ground Bone Meal is one of the best fertilizers. Reduced by improved machinery to an even fineness—nothing is added. Analysis: Nitrogen 4.00 per cent; phosphoric acid, 20 per cent. 5 lbs 30c—10 lbs 50c—100 lbs \$3.25—ton \$63.00.

SHEEP GUANO

The best natural manure, dried and ground. Concentrated, soluble; quick in action, and free from weed seed. Splendid for vegetables; fine for roses and flowers. Excellent for lawns. Analysis: Nitrogen, 1.25 per cent; phosphoric acid 4.05 per cent.

10 lbs 45c—25 lbs 70c—50 lbs \$1.10—100 lbs \$1.85—ton \$35.00.

DIAMOND PLANT FOOD

For Ferns, Palms and House Plants. Clean, odorless, highly concentrated, producing luxuriant foliage and larger and more brilliant flowers. A 40c package will feed a dozen large plants a whole year.

Price $\frac{1}{2}$ lb pkg 25c, by mail 35c; 1 lb pkg 40c, by mail 50c.



Farmogerm is a practical success. A \$2.00 package used on a leguminous crop will produce as much nitrogen as 8 tons of manure. See Page 37

MISCELLANEOUS FLORISTS' SUPPLIES**FOR FLORISTS AND NURSERYMEN**

PLANT STAKES—Round cedar, painted green, 3 ft., 85c doz.; $3\frac{1}{2}$ ft., \$1.00; 4 ft., \$1.25; 5 ft., \$1.75; 6 ft., \$2.50.

VITAPLASTIC—Glazing Compound—The best, most dependable glazing material. Never hardens or cracks. Write for circular.

Price, gal. \$2.00; 5 gal. \$9.50; 30 gal. \$52.50

VITAPLASTIC MACHINE \$5.00

TIN FOIL—Florist—Regular stock. Per lb. 30c

Wooden Labels**POT LABELS—**

4-inch. Plain, per 100 15c; 1,000 \$1.05
Painted, 1,000 \$1.35. Wt. pkd., 4 lbs. per 1,000.
5-inch. Plain, per 100 20c; 1,000, \$1.30
Painted, 1,000, \$1.55. Wt. pkd., 6 lbs. per 1,000
6-inch. Plain, per 100, 20c; 1,000, \$1.75
8-inch. Plain, per 100, 30c; 1,000, \$2.35
Painted, 1,000, \$3.00. Wt. pkd., 11 lbs. per 1,000

TREE LABELS—Painted iron wire.

Per 100 20c; per 1,000 \$1.65

Unpainted iron wire. Pr 100 15c; pr 1,000 \$1.35

Painted copper wire. Per 100 25c; per 1,000 \$2.00


Unpainted copper wire. Weight pkd., 4 lbs. per 1,000. Per 100 20c; per 1,000 \$1.75

PENCILS—Indelible, for marking. Each 15c

WIRE HANGING BASKETS—10 in. 25c; 12 in. 30c; 14 in. 40c.

GLAZING POINTS—Peerless—Best point made. 1,000 in box. Wt., 2 lbs. Price 75c


RAFFIA

 In ordering Raffia by mail, be sure to add postage on 1 lb. or more.

RAFFIA—Natural color. Price $\frac{1}{4}$ lb 20c; postpaid, 25c; not postpaid, per lb 50c.

COLORED RAFFIA—Any shade, the popular colors being red, yellow, orange, black blue and purple. Per pkg postpaid 25c

FLOWER POTS

 Florists, nurserymen and growers should send list of requirements for Special Prices. FLOWER, FERN, AZALEA POTS OR BULB PANS ALL SAME PRICE

| Size | Each | Dozen | Saucers Each |
|--------------|--------|--------|-----------------|
| 2 inch..... | \$0.03 | \$0.20 | |
| 3 inch..... | .04 | .35 | |
| 4 inch..... | .06 | .50 | \$0.04 |
| 5 inch..... | .10 | .85 | .04 |
| 6 inch..... | .15 | 1.25 | .06 |
| 7 inch..... | .20 | 1.75 | .07 |
| 8 inch..... | .25 | 2.50 | .07 |
| 9 inch..... | .40 | 4.25 | .15 |
| 10 inch..... | .65 | | .18 |
| 12 inch..... | 1.00 | | .25 |
| 15 inch..... | 1.75 | | .30 |




Flower pot Azalea or Fern Pots Bulb Pan Hanging Basket

HANGING BASKETS

These are well made and are better than wire baskets, as plants do not dry out so quickly.

| Size | Each | Doz. |
|--------------|--------|--------|
| 8 inch..... | \$0.25 | \$2.40 |
| 10 inch..... | .45 | 4.20 |
| 12 inch..... | .65 | 6.60 |

 **NOTE**—At above prices we will pack the pots carefully, but buyer must pay freight or express charges. We buy in carload lots and the wholesale trade, florists and nurserymen are requested to send for special prices, stating number wanted.

INDEX

| | Page | Foil | Page | | Page |
|----------------------------|-------|-------------------------|-------|-------------------------------|--------------------|
| Abelia..... | 33 | Forsythia..... | 28 | Persimmon..... | 31 |
| Almond..... | 28-34 | Freessias..... | 10 | Phlox, Perennial..... | 17 |
| Althea..... | 28 | Fruit Trees..... | 36-40 | Picking Pail..... | 35 |
| Apples..... | 36-38 | Genista..... | 19 | Pine..... | 33 |
| Apriocots..... | 38 | Gooseberries..... | 41 | Plums..... | 40 |
| Arborvitae..... | 32 | Grapes..... | 41 | Plum, Flowering..... | 31 |
| Araucaria..... | 32 | Grafting Wax..... | 35 | Poplar..... | 31 |
| Ash..... | 30 | Hanging Baskets..... | 47 | Poppy..... | 17 |
| Asparagus Roots..... | 43 | Hawthorne..... | 30 | Primroses..... | 18 |
| Aucuba..... | 33 | Hiemlock..... | 32 | Privet..... | 33 |
| Azalea..... | 28-33 | Herbs, Medicinal..... | 45 | Pruning Tools..... | 35 |
| Bamboo..... | 29 | Holly..... | 32 | Prunes..... | 40 |
| Beech..... | 30 | Honeysuckle..... | 27-28 | Prunus..... | 31 |
| Berberry..... | 28 | Horse Radish..... | 43 | Quince..... | 37 |
| Berries..... | 41-42 | Hyacinths..... | 2-3 | Quince, Flowering..... | 29 |
| Berry Boxes..... | 48 | Hydrangea..... | 28-33 | Raffia..... | 47 |
| Birch..... | 30-31 | Iris..... | 13 | Raspberries..... | 42 |
| Blackberries..... | 42 | Ivy..... | 27 | Rhubarb Roots..... | 43 |
| Broom..... | 33 | Jasminum..... | 27 | Roses..... | 20-26 |
| Box..... | 32 | Jonquils..... | 9 | Rose Tubes..... | 26 |
| Bulbs..... | 2-12 | Juniper..... | 53 | Rose Index..... | 26 |
| Butternut..... | 34 | Knives..... | 35 | Saws..... | 35 |
| Calla Lilies..... | 11 | Labels..... | 47 | Sciadopitys Verticillati..... | 33 |
| Catalpa..... | 30 | Laburnum..... | 30 | Shears..... | 35 |
| Cedrus..... | 32 | Ladder..... | 35 | Shrubs, Deciduous..... | 28-29 |
| Cherries..... | 39 | Larkspur..... | 15 | Shrubs, Evergreen..... | 33 |
| Chestnut..... | 34 | Laurel..... | 33 | Smoke Tree..... | 29 |
| Chestnut Flowering..... | 30 | Lauristinus..... | 33 | Snowball..... | 29 |
| Chinese Sacred Lilies..... | 10 | Lilac..... | 29 | Spiraea..... | 29 |
| Clematis..... | 27 | Lilies..... | 11-12 | Spruce..... | 33 |
| Cotoneaster..... | 33 | Lily of the Valley..... | 12 | Squirrel Poison..... | 35 |
| Crab, Flowering..... | 30 | Linden..... | 30 | St. Johns Wort..... | 29 |
| Crocus..... | 11 | Locust..... | 30 | Strawberries..... | 44-45 |
| Cryptomeria..... | 33 | Loganberries..... | 42 | Sycamore..... | 31 |
| Currants..... | 41 | Magnolia..... | 51-33 | Syringa..... | 29 |
| Currant, Flowering..... | 28 | Mahonia Aquifolia..... | 34 | Tamarix..... | 29 |
| Cyclamen..... | 19 | Maple..... | 31 | Thuja..... | 25 |
| Cyprus..... | 32 | Mock Orange..... | 29 | Traps..... | 35 |
| Daffodils..... | 8-9 | Mountain Ash..... | 31 | Trees, Deciduous..... | 30-31 |
| Daphne..... | 33 | Mulberry..... | 31 | Tritoma (Red Hot Poker)..... | 29 |
| Delphinium..... | 15 | Narcissi..... | 8-10 | Trumpet Vine..... | 27 |
| Dutchman's Pipe..... | 27 | Nectarines..... | 38 | Tulips..... | 4-7 |
| Deutzia..... | 28 | Nut Trees..... | 34 | Tulip Beds..... | Inside Front Cover |
| Dewberries..... | 42 | Oak..... | 31 | Tulip Tree..... | 31 |
| Dogwood..... | 30 | Oregon Grape..... | 33 | Vines, Ornamental..... | 27 |
| Dwarf Fruit Trees..... | 38 | Palms..... | 19 | Vita Plastic..... | 47 |
| Elm..... | 30-31 | Paeonies..... | 16 | Violets..... | 17 |
| Elder..... | 28 | Pampas Grass..... | 29 | Water Lilies..... | 15 |
| Euonymus..... | 24-28 | Pansies..... | 16 | Walnuts..... | 34 |
| Evergreen Shrubs..... | 33 | Parrots Feather..... | 19 | Weeping Trees..... | 31 |
| Evergreen Trees..... | 32-33 | Passion Vine..... | 27 | Weigelia..... | 28 |
| Ferns..... | 18 | Peaches..... | 39 | Wistaria..... | 27 |
| Fertilizers..... | 46 | Pears..... | 32 | Yew..... | 33 |
| Filbert..... | 28-34 | Perennials..... | 14-17 | Yucca..... | 29 |
| Fir..... | 32 | | | | |
| Flower Pots..... | 47 | | | | |

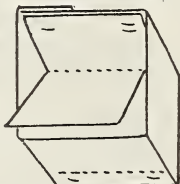
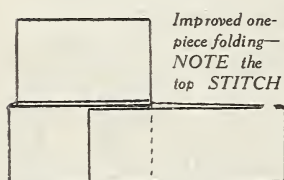
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We offer the finest laying strains from selected O. A. C. stock. Eggs are from 221 Egg Hens.
Mated to Cockerels from 300 Egg Hens.

ALL CHICKS TESTED and guaranteed free from white Diarrhoea. O. A. C. standard test.
DELIVERIES BEGIN FEBRUARY 15th. Order early, as all orders will be filled in rotation.

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TOP STITCHING the one-piece bottom makes the box open up perfectly. No loss from misfits and breakage as with the old style, and the bottom never drops out. Compare this new box with any box on the market.

CRATES—Our New Machine-Stapled Crate is light, strong and rigid. Will not warp or pull apart. Prices and full information on request.

Prices Right, Deliveries Prompt Let us supply you the splendid line of the Pacific Fruit Package Company

NEW PARCEL POST RATES

PARCEL POST RATES are based on **DISTRICTS** and **ZONES**. **THE DISTRICT** includes the office where mailed and the rural routes therefrom.

A DISTRICT RATE OF 5 CENTS for the **first pound** and **1 cent** for **each additional** two pounds or fraction thereof up to **70 lbs.** (the district weight limit) is charged between points in this district.

First and Second Zones cover a radius of 200 miles from the point of mailing, having a weight limit of **70 pounds** and a rate of **5 cents** for the first pound and **1 cent** for each additional pound, or fraction thereof.

The **Third Zone** also has a weight limit of **70 pounds**.

A weight limit of 50 pounds applies to the **fourth, fifth, sixth, seventh and eighth** zones with rates increasing with the distance. See table.

SIZE AND WEIGHT.—A Parcel Post package may weigh from 4 ounces to 70 pounds for the first, second and third zones—with a 50-pound weight limit for fourth to eighth zones, and **must not exceed in size 84 inches in length and girth combined.**

Four Ounces or less will be charged for at 1 cent per ounce or fraction thereof, **except** on Books, Seeds, Plants, Bulbs, etc., which are 1 cent for 2 ounces up to 8 ounces for any distance.

We have catalogued the weight of most items mailable by Parcel Post and by reference to the table you can always figure your postage.

| Parcel Post Rates apply to <i>Seeds, Plants and Books</i> weighing over 8 ounces. Other fourth-class matter over 4 ozs. is charged at pound rates | First Pound or Fraction Thereof | Each Additional Pound or Fraction | |
|---|---------------------------------|-----------------------------------|----------------------|
| Local or District Rate— <i>Portland Office</i> and Rural Routes therefrom. | \$0.05 | ½ cent | Weight Limit 70 lbs. |
| 1st Zone } up to and including a radius of 200 miles from 2nd Zone } the point of mailing. | .05 | \$0.01 | Weight Limit 70 lbs. |
| 3rd Zone..... | .06 | .02 | Weight Limit 70 lbs. |
| 4th Zone..... | .07 | .04 | Weight Limit 50 lbs. |
| 5th Zone..... | .08 | .06 | Weight Limit 50 lbs. |
| 6th Zone..... | .09 | .08 | Weight Limit 50 lbs. |
| 7th Zone..... | .11 | .10 | Weight Limit 50 lbs. |
| 8th Zone..... | .12 | .12 | Weight Limit 50 lbs. |



WAR TAX

On Packages requiring 25c Postage add 1c Tax; on 26c to 50c add 2c Tax; over 50c add 1c for every 25c or Fraction thereof.



The 8th zone rate applies to ALASKA, HAWAII and the PHILIPPINES with 20 lb. weight limit—To MEXICO with 11 lbs.; CUBA, 4 lbs. 6 oz.; PANAMA, 4 lbs. 6 oz. Postage to Canada on 4th class packages of over 4 oz. and NOT EXCEEDING 4 lbs. 6 oz., go at 8th zone rate.

PLANTING TABLES

DISTANCES RECOMMENDED FOR PLANTING

| | | | |
|------------------------|-----------------------|---------------------------------|----------------------|
| Apples (Standard)..... | 25 to 40 ft. each way | Currants..... | 5 ft. x 3 ft. |
| Pears (Standard)..... | 20 to 35 ft. each way | Gooseberries..... | 5 ft. x 3 ft. |
| Quince..... | 15 ft. each way | Strawberries (hills)..... | 36 in. x 18 in. |
| Peaches..... | 18 to 24 ft. each way | Strawberries (matted rows)..... | 48 in. x 12 in. |
| Plums..... | 15 to 20 ft. each way | Grapes..... | 8 x 8 to 10 x 12 ft. |
| Cherries..... | 25 to 40 ft. each way | Asparagus..... | 4 x 1 ft. |
| Blackberries..... | 6 ft. x 4 ft. | Rhubarb..... | 4 x 2 ft. |
| Raspberries..... | 6 ft. x 3 ft. | | |

NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES

In planting trees the greater distance should be given in the richer soils

| DISTANCE APART | Square Method | Triangular | DISTANCE APART | Square Method | Triangular |
|-----------------------------|---------------|------------|-----------------------------|---------------|------------|
| 1 foot apart each way..... | 43,560 | 50,300 | 15 feet apart each way..... | 193 | 223 |
| 2 feet apart each way..... | 10,890 | 12,575 | 16 feet apart each way..... | 170 | 196 |
| 4 feet apart each way..... | 2,722 | 3,143 | 20 feet apart each way..... | 108 | 125 |
| 6 feet apart each way..... | 1,210 | 1,397 | 25 feet apart each way..... | 70 | 81 |
| 9 feet apart each way..... | 537 | 620 | 30 feet apart each way..... | 48 | 55 |
| 10 feet apart each way..... | 435 | 502 | 40 feet apart each way..... | 27 | 31 |

RULE SQUARE METHOD—Multiply the distance in feet between the rows by the distance the plants are apart in the row; this gives the number of square feet for each plant or hill; divided into the number of feet in an acre (43,560) gives the number of plants or trees to an acre.

RULE TRIANGULAR METHOD—Divide the number required to the acre "square method" by the decimal .366. The result will be number of plants required to the acre by triangular planting.

"Diamond Quality" NURSERY
STOCKS

TRUE TO NAME

STRAWBERRY
PLANTS

ASPARAGUS
AND
RHUBARB
ROOTS

BIG HEALTHY
HEAVY ROOTED
STOCK FROM
YEAR OLD
MOTHER
PLANTS

TREES
and
PLANTS
*are dug
and
packed
as
ordered*

"PROGRESSIVE"

THE BEST OF THE
FALL OR

"EVERBEARING"

STRAWBERRIES
SEE PAGE 45.

